ORDER NO. VSD9708M604

Service Manual

Sec. 1 Operating Instructions Service Information

Sec. 2 Disassembly Procedures Maintenance & Mechanical Parts Replacement

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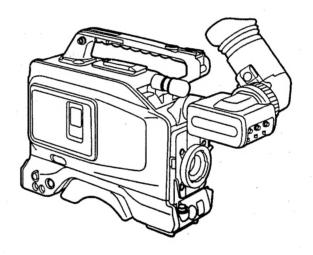
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Digital Camera Recorder

AJ-D200HE



⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Specifications

[GENERAL]

Power supply:

DC12 V (10.5V to 17.0V)

Power consumption: 17W (main unit including viewfinder)

Operating ambient temperature:

0°C to 40°C

Storage ambient temperature:

-20°C to 60°C

Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 100 minutes

(with Anton Bauer Trimpack 14, continuous recording time)

Dimensions

 $(W \times H \times D)$:

126 × 292 × 337 mm

Weight:

3.7 kg for main unit only

6.1 kg for with NP-1 battery, viewfinder, Fujinon 14× lens, 123-minute

[CAMERA]

Image sensor:

1/3" IT-type CCD with on-chip lens (pixel shift system) ×3

Pixels:

542 (H) × 584(V)

Horizontal drive frequency:

11.25 MHz

Sensitivity:

2000 lux, f/5.6

Minimum illumination: 5 lux (f/1.4 +18 dB) S/N ratio:

58 dB (TYP)

Horizontal resolution: Approx. 500 lines (centre)

Vertical resolution:

500 lines

Sampling frequency: 13.5 MHz/27 MHz

Shutter speeds:

1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000

Gain selection:

0/6/12 dB or 0/9/18 dB

Lens mount:

1/3" bayonet mount

Colour separation optical system:

Prism system (f/1.4)

Registration error:

Less than 0.03% (full range, excluding lens distortion)

[VIEWFINDER]

Display tube:

1.5" high-resolution monochrome tube

Horizontal resolution: 600 lines (centre)

External controls:

BRIGHT, CONTRAST, PEAKING controls,

TALLY ON/OFF, ZEBRA ON/OFF, CHARACTER ON/OFF switches

The video and audio performance specifications apply for a tape which has been recorded on this unit and played back on a standard player (ANALOG COMPONENT OUT).

Tape speed:

33.8539 mm/sec

Recording/playback time:

Approx. 123 min. (using AJ-P123LP)

FF/REW time:

Approx. 5 min. 40 sec.

Video signal band:

Brightness = 0 Hz to 5.75 MHz, +1.0 dB/-3.0 dB

S/N ratio:

55 dB

Linearity: Y/C delay: Less than 2% Within 50ns

Audio sampling frequency:

48 kHz (synchronized with video)

Quantizing:

16 bits/sample

Frequency response: 20 Hz to 20 kHz, (+1.0 dB, -1.5 dB) (at reference level)

Distortion:

Less than 0.2% (at 1 kHz, operating level)

Crosstalk:

Less than -65 dB (between channels, at 1 kHz)

Wow and flutter:

Below measurable limits

[CONNECTORS]

INPUT

FRONT MIC:

Phantom +48V (built-in microphone), –60 dBu, balanced, 3 k Ω

(-60, -50 or -40 dBu setting possible on menu)

AUDIO IN CH1/CH2 (XLR, 3P):

–60, –50 or –40 dBu setting possible on menu, balanced, 10 k Ω

Internal DIP switch setting: Phantom 48V output possible line (-6/0/+4 dBu) switchable

OUTPUT

AUDIO OUT CH1/CH2 (Phono jack):

-6 dBu, unbalanced, low impedance output

HEADPHONE OUT:

Stereo mini jack

VIDEO OUT (BNC):

1.0 Vp-P, 75 Ω

S-VIDEO OUT:

Y signal = 1.0 Vp-p, 75 Ω

C signal = 0.3 V_{P-P} (burst), 75 Ω

OTHER

LENS (12P)

[ACCESSORIES]

1.5" viewfinder

Microphone (attached to main unit) Battery holder (attached to main unit)

Battery mounting connector and screw supporting Sony-made battery (NP-1B)

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

- When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

- Unplug the AC cord and connect a jumper between the two prongs on the plug.
- Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1MΩ and 5.2MΩ.

When the exposed metal dose not have a return path to the chassis, the reading must be ∞ .

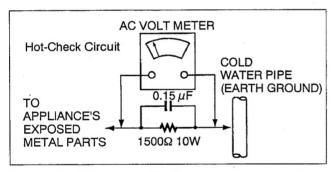


Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

- Plug the AC cord directly into the AC outlet.
 Do not use an isolation transformer for this check.
- 2. Connect a $1.5 \mathrm{K}\Omega$, $10 \mathrm{W}$ resistor, in parallel with $0.15 \mu \mathrm{F}$ capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.
- Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
 - Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- Use only a grounded tip soldering iron to solder or unsolder ES devices.
- Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam. aluminum foil or comparable conductive material).
- Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
 - CAUTION:Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
- 8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

- 1. The potential source of X-Radiation in EVF sets is the High Voltage section and the picture tube.
- When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.
- NOTE:It is important to use an accurate periodically calibrated high voltage meter.
- 3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

■ DO NOT REMOVE PANEL COVER BY UN-SCREWING.

To reduce the risk of the electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

Lithium Battery

Warning

The lithium battery in this equipment must only be replaced by qualified personnel. When necessary, contact your local Panasonic supplier.

"The lithium battery is a critical component (type number CR2032 or BR2032 manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge. It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacturer. They must be fitted in the same manner and location as the original battery, with the correct polarity connections observed.

Do not attempt to re-charge the old battery or reuse it for any other purpose. It should be disposed of in waste products destined for burial rather than incineration."

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!

Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyypiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

indicates safety information.

Attention/Attentie

- Batteries are used for the main power source and memory back-up in the product.
 At the end of their useful life, you should not throw them away.
 Instead, hand them in as small chemical waste.
- Voor de primaire voeding en het reservegeheugen van het apparaat wordt gebruikgemaakt van een batterij.

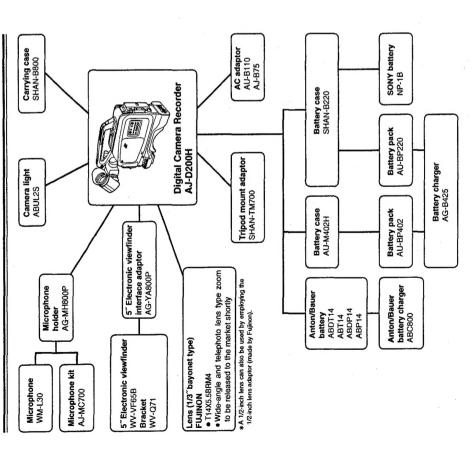
Wanneer de batterij is uitgeput, mag u deze niet gewoon weggooien, maar dient u deze als klein chemisch afval weg te doen.



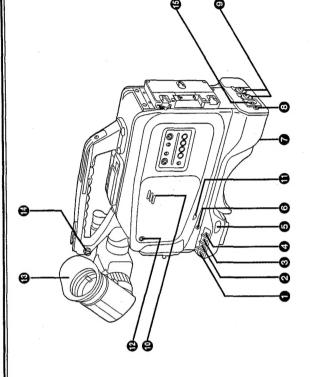
OPERATING INSTRACTION & SERVICE INFORMATION

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Parts and their functions



GAIN selector switch When the camera picture is too dark, increase the gain to brighten the picture by setting this switch.

The switch is normally kept at this position. 0dB:

The gain of the camera's video amplifier is increased at this position. Select 6 dB or 9 dB on the on-screen menu first. For further details, refer to the menu items 6/9dB:

12/18dB: The gain of the camera's video amplifier is increased at this position. Select 12 dB or 18 dB on the on-screen menu first. For further details, refer to the menu items (on pages E-49, E-50 and E-54). The amount of noise also increases when the gain (on pages E-49, E-50 and E-54). is increased.

White balance selector switch
MEMO: When the AUTO W/B (WHITE/BLACK)
BALL switch on the front panel is
operated, the white balance is adjusted
automatically, and the adjustment value is stored in the internal memory.

Although the preset mode was set to INDOOR when the unit was shipped OUTDOOR can be selected instead using the on-screen menu. For further details, refer to the menu items (on manufacturing pages E-49, E-50 and E-54). the PRST:

INDOOR	3200K
OUTDOOR	5000K

This is the automatic tracking white ATW:

Note:

It may not be possible to attain the correct white balance under some types of lighting.

Parts and their functions

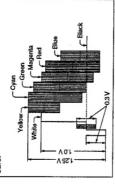
898999

OUTPUT selector switch

The video signals shot by the camera are output.

The colour bar signals are output. BAR

Shown in the figure below are the output levels which are shown as colour bar signals by this It should be noted that these are not EBU colour bars.



SHUTTER switch

This is the ON/OFF selector switch of the OFF:

The electronic shutter does not work at this position.

The electronic shutter is operational at this position. ö

one setting in the following sequence: 1/100→1/125→1/250→1/500→1/1000→1/2000→1/4000→1/8000. When the SELECT: This position is used to change the non-locking switch. Each time it is operated, the shutter speed changes by speed of the electronic shutter. This is a switch is operated at 1/8000, the speed returns to the 1/100 setting.

D POWER switch

All the functions of the camera VTR are made operational ö

The power to the camera VTR is turned OFF:

MODE CHECK switch

This enables the settings of the camera's function switches to be checked in the viewfinder.

If trouble causes an excessively high current to causing the power to be turned off automatically to flow inside the unit, the circuit breaker is tripped, protect the unit.

BREAKER switch

work on the unit, push this button to the "in" position. The power will be turned on again provided that no trouble has occurred. Upon completion of inspection inside or repair

This is the earphone (stereo) jack for monitoring the sound. When an earphone is connected, no sound will be heard from the speaker. Earphone (PHONE) jack

Audio input connectors

External microphones are connected here. Line input signals can also be connected by setting an internal switch to the corresponding position.

Speaker

PHONE jack.

The CH1 and CH2 sound is mixed and heard as The sound from the speaker is automatically cut off when an earphone is connected to the The sound can be monitored through this speaker.

the monitored sound.

T Audio monitor level control

This volume control is used to adjust the sound when it is being monitored. MARK/CANCEL button

This is the SCENE data function switch. For further details, refer to the SCENE data function section (on pages E-57 and E-58).

Viewfinder

The shoulder belt is fastened here. Shoulder belt fitting

This socket is for the external power (DC) supply. External DC input socket

When the adaptor is connected, power is automatically supplied from the external power Connect an AC adaptor.

фффф фф

AUDIO OUT connectors (pin jacks)

S-VIDEO OUT connector (Y/C connector)

CHECK or retake) is taken while a back-up VTR is connected to the S-VIDEO OUT connector to record pictures, the pictures played back by this unit will be recorded on the back-up VTR. Bear in mind that if any action that involves playing back a tape on this VTR (such as REC

VIDEO OUT connector (BNC)

Bear in mind that if any action that involves playing back a tape on this VTR (such as REC CHECK or retake) is taken while a back-up VTR is connected to the VIDEO OUT connector to record pictures, the pictures played back by this unit will be recorded on the back-up VTR.

PEAKING control

Turning this control sharpens the outlines of the mages in the viewfinder to facilitate focusing. The control has no effect on the camera's output

© CONTRAST control
This is used to adjust the contrast of the images in the viewfinder. It has no effect on the camera's output signals.

BRIGHT (brightness) control

in the viewfinder. The images become brighter This is used to adjust the brightness of the images when it is turned clockwise. It has no effect on the camera's output signals.

TALLY ON/OFF switch

The tally lamp on the front of the viewfinder lights. ë

The tally lamp on the front of the viewfinder does not light. OFF:

S ZEBRA (zebra pattern) ON/OFF switch

A zebra pattern is displayed in the A zebra pattern is not displayed. OFF:

ö

CHARACTER ON/OFF switch

Characters are displayed in the This turns the character display ON or OFF.

Characters are not displayed in the viewfinder. OFF:

The colour temperature display in the ATW mode and the SCENE data MARK will appear even when the CHARACTER ON/OFF switch is at the OFF position.

Parts and their functions

Function buttons

Lens locking lever

After the tens has been attached to the lens mount, this lever is tightened up to lock the lens in

This attaches the lens.

Constant (Dayonet type)

The connecting cord of the lens is connected here. For a detailed description of the lens to be used, read the instruction manual which D LENS connector (12-pin) accompanies the lens.

B AUTO W/B (WHITE/BLACK) BAL switch

balance selector switch is set to the MEMO position and then the AUTO W/B BAL switch is operated, the adjustment AWB: The white balance and black balance are automatically adjusted. When the white value is stored in the unit's memory. Bear in mind that no operation results when the selector switch is set to the ATW or PRST

WITH START/STOP button

This is used to start or stop the recording.

This lights when the image shot by the camera is being recorded by the VTR. It lights or flashes in tandem with the TALLY lamp inside the

Microphone

This is a compact unidirectional microphone. A microphone with sharp directionality can be attached by replacing the microphone provided with the optional holder.

Accessory hole

A video light or other accessory is installed here.

Viewfinder locking ring

When the ring is loosened, the viewfinder can be rotated by 90 degrees and pointed upwards. This is used to attach or remove the viewfinder.

Eye cup

Bye cup unlocking lever This is used to remove the eye cup. The eye cup is removed by moving the lever in the direction of

the arrow and then sliding the eye cup free.

GREWER STOP €FFE €PLAY EJECT

4 À 1

¥

Viewfinder locking stopper

adjust the position, loosen the stopper and move adjusted the position, tighten up the stopper to This is used to adjust the viewfinder's position. To the viewfinder to the left or right. After having lock the viewfinder in place.

Shoulder belt fitting
The shoulder belt is fastened here.

Diopter control (bottom panel)

Adjust this to match your eyesight so that you can clearly see the images inside the viewfinder.

 Eyeplece position adjustment ring
 This enables the eyeplece position to be adjusted forwards or backwards when used in the unlocked status. Upon completion of the adjustment, set it to the LOCK status to lock the eyepiece in

(3) Cassette holder
This is the slot where the cassette tape is loaded.

PLAY button/lamp

When this button is pressed, play is commenced and its lamp lights. When it is pressed again, the STILL mode is established, and when it is pressed once more; the PLAY mode is established again.

the tape has stopped travelling, the tape is rewound or fast forwarded at the normal

■ REW (rewind)/FF (fast forward) buttons
 ■ When the REW or FF button is pressed while

rewinding or fast forwarding speed in the E-E

 When the REW or FF button is pressed while the tape is being played, the tape is reviewed or

EJECT button

removed. The button does not work when the VTR is in the REC mode. To eject a tape in the REC mode, first establish the REC/PAUSE mode and then press the EJECT button. rises, and the cassette tape can be loaded or When this button is pressed, the cassette holder

STOP button

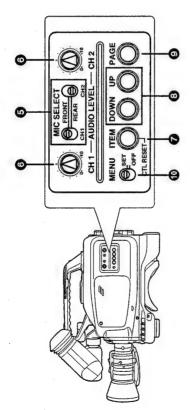
normal tape speed.

STILL or REC PAUSE mode, the tape is reviewed or cued at approximately 1 times the

When the REW or FF button is pressed in the

cued at approximately 4.5 times the normal tape

The tape stops travelling when this button is pressed. The button does not work during recording. To stop the tape during recording, its stabilish the REC/PAUSE mode and then press the STOP button.



These switches are used to select the CH1 and S Audio input selector (MIC SELECT) switches CH2 audio input.

FRONT: Set to this position when recording audio microphone the from signals

external microphones to the audio input Set to this position when connecting and recording the audio signals from connectors (XLR 3P) on the rear panel incorporated in the camera. REAR:

 Audio level controls
 These are used to adjust the CH1 and CH2 recording levels.

This is used to select menu items. When the MENU switch is at OFF, it functions as the reset button for the CTL counter.

These are used to make changes to the menu DOWN and UP buttons

This is used to set the menu items. PAGE button

Set to this position when displaying or (D) MENU SET/OFF selector switch SET: Set to this position whe

making changes to menu items. The switch is normally kept at this OFF:

This enables the automatic iris speed to be Removal of the rubber cap reveals the control Automatic Iris control

inside. The speed is increasing by turning the control clockwise but take care not to turn it too far This control must be adjusted when the lens has been replaced or when a lens has been mounted since hunting (continuous cycling) will occur. for the first time. Lens iris selector switch (IRIS)
(A) side: The iris is adjusted automatically.
(M) side: Set to this position to adjust the iris

The zoom speed differs depending on the force with which the switch is pressed. The zoom can be controlled electrically by setting the power/manual zoom selector switch to SERVO and then pressing the power zoom control switch. Power zoom control switch

4 Hand strap
Adjust this to fit the size of your hand.

B Return switch (RET, REC CHECK)

This switch is for checking a recording. When it is pressed in the recording pause mode, the recording check function is activated, the recorded section is played back, and then the recording is placed in the pause mode.

This switch provides easy manual access to starting and stopping the VTR recording. When it O VTR start/stop switch

is pressed once, recording starts; when it is pressed again, it stops. When using this lens, the VTR can be controlled by this switch or the VTR start/stop switch on the camera. This cable (12-pln)
This cable is to be connected to the LENS 8 Focus ring This ring is turned to focus the lens. connector.

Soom ring
To adjust the screen size, set the power/manual zoom selector switch to MANU, and turn this ring.

Viewfinder displays

To adjust the iris, set the lens iris selector switch

(IRIS) to M, and turn this ring.

D Iris ring

Flange back adjustment ring
To adjust the flange back, loosen the flange back locking knob, and turn this ring. The ring must be adjusted when the iens has been replaced or when a lens has been mounted for the first time.

(B) Macro ring

To take close-ups, set the lens all the way to the wide position, and turn this ring.

(B) Flange back locking knob Use this knob to lock the flange back after it has been adjusted.

Power/manual zoom selector switch
When this switch is set to SERVO, the zoom can
be adjusted using the power zoom control switch.
When it is set to MANU, the zoom can be adjusted using the zoom ring. Also refer to the operating instructions accompanying the lens you have purchased.

LED displays

AUDIO (yellow): This is not used in this system.

This lights during recording. It flashes as the tape is approaching the recording position from unloading or when trouble has occurred. TALLY (red): AUDIO TALLY STBY

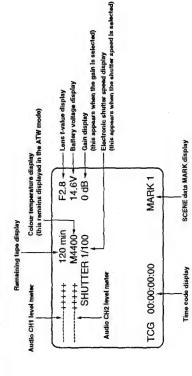
This is not used in this system. STBY (green): This lights when the camera gain is increased. GAIN (yellow):

This flashes when the battery charge has dropped. BATT (yelfow): This lights or flashes when trouble has occurred in the VTR. VTR (yellow):

E O BATT

O GAIN

Character displays



- These displays appear when the CHARACTER switch at the front of the viewfinder is set to ON.
 - Each individual display can be turned off by setting the corresponding
- menu item.

 When the mode check switch has been pressed, the current statuses are displayed regardiess of whether the individual displays have been set ON or OFF using the corresponding menu items or whether the CHARACTER switch is ON or OFF.

 The colour temperature display in the ATW mode and the SCENE data MARK will appear even when the CHARACTER ON/OFF switch is at the OFF position.

This is not an error message. It is a warning which indicates that the power will be turned off very shortly.

POWER OFF

Viewfinder displays

Error messages which appear during operation

When an error occurs, an error message appears in the view finder.

There are two types of error messages: those which appear when the power is switched on, and those which appear during operation.

The tables given below indicate the causes and remedial action for the corresponding error messages.

Error message displays

rror messages which appear when the power is switchια on	Cause Remedial action	BATTERY This appears when the internal clock battery Replace the unit's back-up battery. For the Has run down. replacement procedure, refer to page E-59, and consult with your dealer.
th appear when the pov	Caus	This appears when the in has run down.
ror messages whic	Error display	SACKUP BATTERY EMPTY

Error	Error display	Cause	Remedial action
BACKUP	ваттеву	This appears when the internal clock battery has run down.	This appears when the internal clock battery Replace the unit's back-up battery. For the has run down. consult with your dealer.
		Remarks: A flat back-up battery will interfere with the cloc other functions will remain unaffected. Replax opportunity. The BACKUP BATTERY EMPTY displicy will a immediately after the back-up battery was repmalfunction.	Remarks: A flat back-up battery will interfere with the clock and time code free run functions although all flat back-up battery at the earliest possible opportunity. The BACKUP BATTERY EMPTY display will appear even when the power is turned back on immediately after the back-up battery was replaced. This is normal and not indicative of a malfunction.
EMPTY	мемону		This appears when garbage data in the built-in Proceed with garbage collection on the flash memory decist to e collected. A special memory called a flash memory is used items. Refer to the menu tempory is used items. Pages of data. Due to the fact that this is a special memory, the old data no longer required when menu changes are made, for instence, is evicial memory, garbage memory contents such as these must be collected from time to time.
		Remarks: This display appears well ahead of time so there inmediately. The garbage collection proxessing done when there is a spare moment.	Remarks: this display appears well ahead of time so there is no need to panic and initiate garbage collection immediately. The garbage collection provessing takes some time (about 1 minute) so it should be done when there is a spare moment.

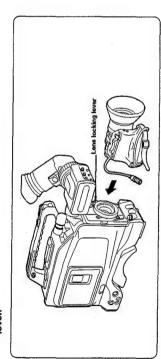
Error display	Cause	Remedial action
TOO BRIGHT ERROR	This appears when the white batance is to be adjusted (when the AUTO W/B BAL switch was operated) or when the screen is excessively bright.	Stop down the iris a little more, and adjust the while balance. If the error display remains, insert the electronic shutter or attach the ND filter.
TOO DARK ERROR	This appears when the while balance is to be adjusted (when the AUTO W/B BAL switch was operated) or when the screen is excessively dark.	Open the iris a little more, increase the gain (if this is warranted by the subject brightness), and adjust the white balance. If the error display remains, direct some light onto the subject.
LENS UNIT ERROR	This appears when the lens cable has been disconnected or when the lens its control circuit has been damaged.	The cause is almost always a disconnected lens cable. If the display appears even when the cable is connected properly, consult with your dealer.
SELECT SW ERROR	This appears when the AUTO W/B BAL switch was operated with the white balance selector switch at a position other than MEMO.	Adjust the white balance (operate the AUTO W/B BAL switch) with the white balance selector switch at the MEMO position.
OUTPUT SW ERROR	This appears when the AUTO WIB BAL switch was operated with the OUTPUT switch at a position other than CAM.	Adjust the white balance (operate the AUTO W/B BAL switch) with the OUTPUT switch at the CAM position.
BLACK BAL ERROR	This points to a malfunction in the camera unit.	Consult with your dealer.
WHITE BAL ERROR TRY AGAIN	This appears when the white balance was not attained properly due to some condition or other.	Change the iris setting (the brightness) slightly and then try again. If the message continues to appear even after two or three attempts, consult your dealer.
Remarks: The above errors are d The LENS UNIT ERRO	Remarks: The above errors are detected when the white balance is adjusted (when the AUTO W/B BAL switch has been operated). The LENS UNIT ERROR is also detected immediately after the power has been switched on.	the AUTO W/B BAL switch has been operated). been switched on.
SERVO	This appears when an unrecorded part of a tape is played back or at other times when the VTR servo lock is disengaged.	It is normal for this display to appear with unrecorded parts of tapes. If the display appears during the playback of an obviously recorded tape or during recording, this points to a malfunction. Consult with your dealer.
HUMID	This signifies that condensation has formed. Refer to page E-64 where detailed instructions can be found.	Refer to page E-64 where detailed instructions can be found.

Preparations

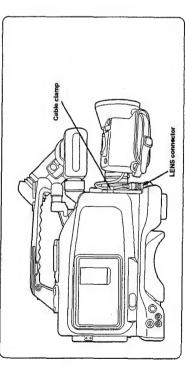
Attaching the peripheral units

Attaching the lens

Position the lens, insert it, and lock it in place using the lens locking lever.



 $oldsymbol{2}$ Connect the cord to the LENS connector, and secure it using the cable clamp.



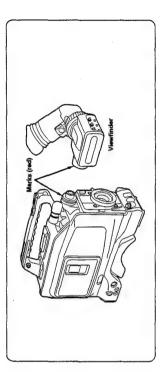
Notes: Refer to the operating instructions accompanying the lens for details on handling the lens.

Attach the lens cap to protect the unit when the lens has been removed.

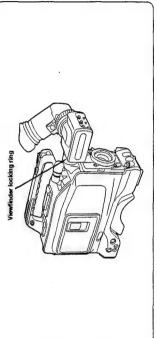
Preparations

Mounting the viewfinder

$oldsymbol{I}$ Align the positions of the marks (red), and fit into place.



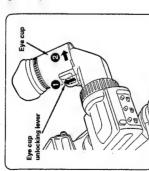
 ${\it 2}$ Turn the viewfinder locking ring to lock the viewfinder into place.



The viewfinder can be turned by 90 degrees by loosening the locking ring.

E-19

Removing the eye cup



Move the eye cup unlocking lever is the diréction indicated by the arrow. Silde the eye cup in the direction indicated to remove it.

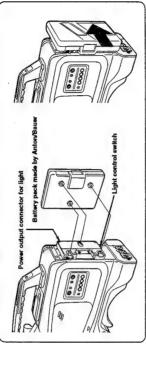
Preparations

When using a battery pack made by Anton/Bauer

Before using the battery pack, charge it using the special battery charger made by Anton/Bauer. For the charging time and other details, refer to the operating instructions of the battery charger used.

I Attach the battery pack made by Anton/Bauer.

Insert it in the direction indicated by the arrow and slide it into place.



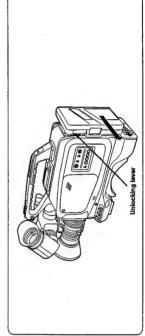
■ Provided on the battery holder made by Anton/Bauer are a power output connector for a light and a light control switch. A light can be easily attached. For details on lighting systems, consult an Anton/Bauer representative.

$oldsymbol{2}$ Set menu item 7. BATTERY (BATT.SELECT) to the battery which is to be used.

For further details, refer to the menu items (pages E-49 to E-51).

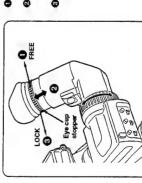
Remarks:

■ To remove the battery pack
While holding the unlocking lever on the battery holder all the way
down, slide the battery pack in the direction indicated by the arrow.



E-22

Adjusting the eye cup position



Set the eye cup stopper to FREE.

Adjust the eye cup by moving it towards you or away from you.

Set the eye cup stopper to LOCK to lock the eye cup in place.

Move the eyepiece towards the left or right to a position which affords the easiest viewing.

Tighten the eyepiece stopper.

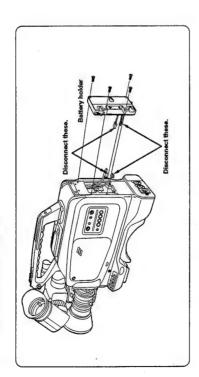
Set the eyepiece stopper to FREE.

Adjusting the eyepiece position

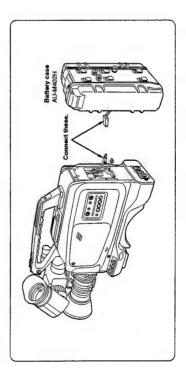
When using the AU-BP402 battery pack

Charge the AU-BP402 battery pack using the AG-B425 battery charger. It takes about an hour to charge the battery pack. For further details, refer to the operating instructions accompanying the AG-B425 battery charger.

Remove the battery holder.

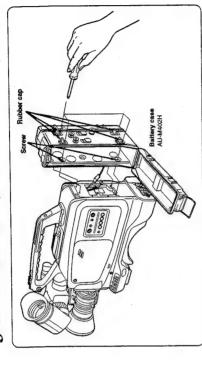


 ${\it 2}$ Connect the unit's cables to the AU-M402H battery case cables.



Preparations

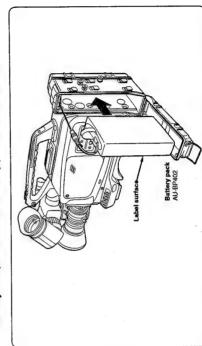
3 Mount the AU-M402H battery case onto the unit using a screwdriver.



Holes with the screws recessed inside can be seen when the cover is opened and the rubber caps are lifted. Tighten up these screws using a screwdriver so that the battery case is mounted onto the unit. Tighten the screws up all the way.

CAUTION: Do not pull the rubber caps with too much force.

Connect the plug of the battery pack to the connector inside the battery case, and install the battery pack inside the case.



CAUTION: The unit's power must be turned off before the plug is connected or disconnected.

E-24

E-26

5 Set menu item 7. BATTERY (BATT.SELECT) to NiCd12V.

Menu item screen (viewfinder)

: NiCd12 : ON : REC -- MAIN FUNCTION --TCG CLEAR RECRUN/FREERUN SCENE DATA SAVE
SCENE DATA UNDEL

BATT, SELECT
BACK TALLY MENU INITIALIZE For further details, refer to the menu items (pages E-49 to E-51).

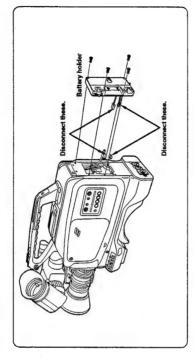
When using the NP-1B battery made by Sony

Preparations

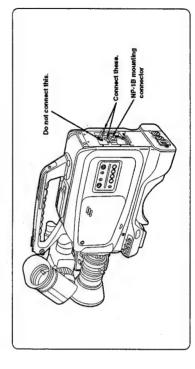
Charge the NP-1B battery using the special battery charger made by Sony.

For the charging time and other details, refer to the operating instructions accompanying the battery charger used.

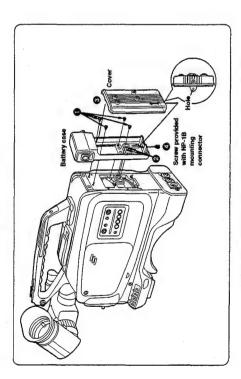
I Remove the battery holder.



${\it 2}$ Attach the accessory NP-1B mounting connector.



Mount the battery holder made by Sony



Before proceeding any further, remove the battery holder cover. • Mount the battery case using the mounting screws.

Tighten the power contact screw.

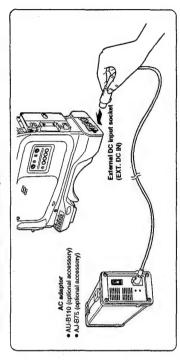
Online the top of the cover in the direction indicated by the arrow.

Align the hole at the bottom (metal part) of the cover with the hole at the bottom of the battery case and mount the battery holder using the screw provided with the NP-1B mounting connector.

Preparations

(when using the AU-B110/AJ-B75 AC adaptor) When using an AC power source

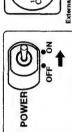
Connect the unit's external DC input socket to the DC OUT connector on the AU-B110/AJ-B75 AC adaptor.



Turn on the AC adaptor's power.

3 Set the unit's POWER switch to the ON position.

Check the pin signals of the external DC input socket when an external power source other than the AU-B110/AJ-B75 AC adaptor is to be used.







+12V GND

External DC input socket

■ Priority is given to the power supplied from the AC adaptor when both a battery pack and AC adaptor have been connected. NOTES:

 When the AC adaptor is used, the low battery warning may appear depending on the BATT.SELECT menu setting. If this happens, it is recommended that the Ni-Cd12V setting be used for BATT.SELECT. ■ When the AC adaptor is used, the AC adaptor's power must be turned on before the unit's POWER switch is set to the ON position. If the POWER switch is set to ON first, the unit may maifunction since the AC adaptor's output voltage increases slowly after the power has been turned on.

Preparations

Mounting the unit onto a tripod

The tripod mount adaptor, which is sold separately, is used to mount the unit onto a tripod.

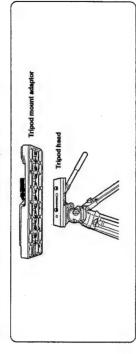
The AJ-MC700/WM-L30 or other optional microphone can be used in place of the microphone which

accompanies the unit.

Attaching the microphone holder (option)

Remove the microphone on the main unit.

Attach the tripod mount adaptor to the tripod.

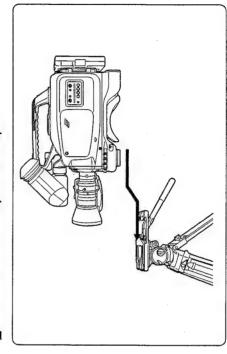


Take the centre of gravity of the unit and tripod mount adaptor into consideration when selecting the hole for the attachment.

Also check that the diameter of the hole selected matches the diameter of the tripod head screw.

NOTE:

2 Mount the unit onto the tripod mount adaptor.

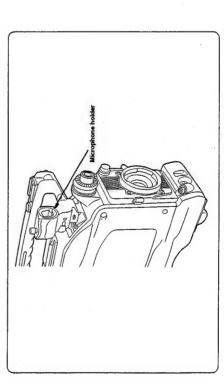


Slide the unit away from you along the groove until it clicks into position.

E-30

2 Attach the microphone holder.

Remove the two screws to remove the connector and then remove the microphone.



The microphone holder is attached by following the microphone removal procedure in reverse.

Disengaging the unit from the tripod mount adaptor



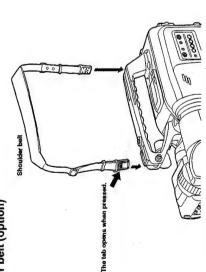
Move the black lever in the direction indicated by the arrow while holding down the red lever, and disengage the unit by sliding it towards you.

If the pin of the tripod mount adaptor falls to return to its original position after the unit has been disengaged, again move the black lever in the direction indicated by the arrow while holding down the red lever. This returns the pin to its former position.

Bear in mind that the unit cannot be mounted if the pin is left in the

NOTE:

Fastening the shoulder belt (option)



To release the shoulder belt, open the tabs at both ends and disengage.



Check that the shoulder belt is securely fastened. NOTE:

E-31

E-32

Preparations

Adjusting the shoulder pad position

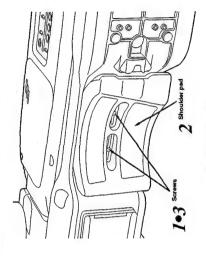
The shoulder pad can be adjusted by stiding it in the forwards or backwards direction from its center position (shipment position) by up to 15 mm on either side.

Adjust it to the position where you find it easiest to operate.

Loosen the two screws.

Slide the shoulder pad back and forth until you find the optimum position.

 ${oldsymbol 3}$ Tighten the screws and secure the shoulder pad.

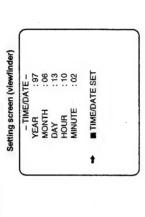


Bottom section

Preparations

Set the date and time using the ITEM, UP and DOWN buttons.

Keep pressing the ITEM button until the arrow indicates "■ TIME/DATE SET."

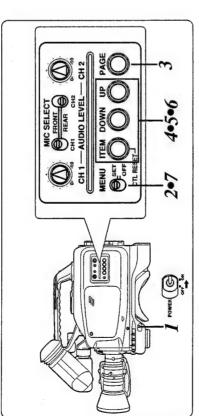


The date and time settings are entered when the UP or DOWN button

7 Finally, set the MENU SET/OFF selector switch to OFF.

The first step to take after purchasing the unit is to set the date and time. (With a DVCPRO VTR, the shooting date and time data is recorded separately from the images. In order for this data to be recorded correctly, first set the date and time.)

■ Setting the date and time



Set the POWER switch to ON.

- The setting screen (MENU) appears in the viewfinder when the MENU SET/OFF selector switch is set to SET.
- While monitoring the viewfinder, press the PAGE button until the TIME/DATE screen appears.

Setting screen (viewfinder)

(First setting screen for menu items)

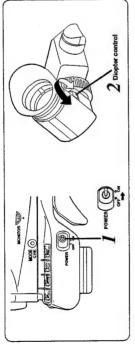
	- TIME/DATE -	▼ YEAR : 97	MONTH : 06	DAY : 13	HOUR : 10	MINUTE : 02		■ TIME/DATE SET		
	L	•			t	1	Neep	the PAGE	button.	
Company of the land	N -		: REC				: DIGIT	NO:		
(minor primarily for months)	- MAIN FUNCTION -	→ TCG CLEAR	RECRUN/FREERUN		SCENE DATA SAVE	SCENE DATA UNDEL	BATT. SELECT	BACK TALLY	MENU INITIALIZE	

Descriptions are also given in the menu items (on pages E-49, E-50 and E-55).

E-33

Adjusting the viewfinder

Adjusting the viewfinder diopter

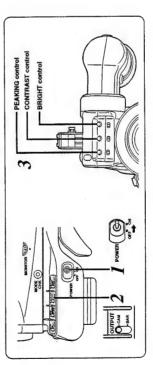


Set the POWER switch to ON.

An image now appears on the viewfinder.

Turn the diopter control and adjust it so that the viewfinder image can be seen clearly.

Adjusting the viewfinder's brightness and contrast



800

Set the POWER switch to ON.

An image now appears on the viewfinder

- Set the OUTPUT switch to CAM.
- 3 Turn the viewfinder's BRIGHT and CONTRAST controls and adjust the brightness and contrast of the image.

When the viewfinder's PEAKING control is turned, the image can be adjusted to be softer or sharper. If it is adjusted to be sharp, it will be easier to focus the lens.

E-35

Preparations

Adjusting the lens flange

The lens flange is adjusted when the lens fails to be focused at both the telephoto and wide-angle positions because it has been replaced.

This adjustment need be done only once provided that the lens is not replaced.



3 Turn the iris ring and set the iris to the fully open position.

Shoot a well-contrasted subject such as a window or utility pole at least 10 meters away.

Set the power/manual zoom selector switch to "M."Turn the zoom ring and set the zoom to

Turn the zoom ring and set the zoom to the maximum telephoto position (zoom in).

Lens iris selector switch

upprox. 10 meters

7 Turn the focus ring and bring the subject into focus.
When the subject is too bright and it is hard to verify whether it is in focus: Set the electronic shutter to ON. (If necessary, change the shutter

speed as well.)

Turn the zoom ring and set the zoom to the maximum wide-angle position (zoom out).

9 Turn the flange back adjustment ring and bring the subject into focus.

Depend the steps 5 to 9 until the subject is brought into focus at both the telephoto and wide angle positions.

Switch (on the bottom panel)

and wice angle positions.

If the subject is out of focus, use the focus ring to focus, then zoom out, and use the flampe back adjustment ring to bring the subject into focus.

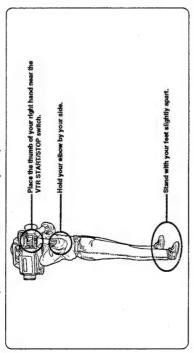
I I Upon completion of the adjustments, tighten up the flange back locking knob to prevent the flange back adjusting ring from moving out of position.

Also refer to the operating instructions accompanying the lens you have purchased.

Adjustments during shooting

Camera posture

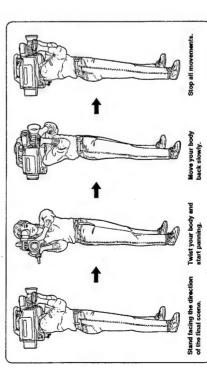
If the camera is held rather than secured on the tripod for shooting, the images will feature plenty of movement but there will be a lack of stability. Hold the camera in such a way as to prevent camera shake.



Camera movements

Basically, the camera should be fixed in position for shooting. If the pan and tilt functions are used, however, the recording will have more of a sense of movement. Moving the camera horizontally is called 'panning'; moving it perpendicularly is known as "tilting." In moving the camera, the knack is to move it slowly. Better shots can be taken by moving the camera very slowly. Even when a movement has been completed, suspend all movement for a few moments.

Panning

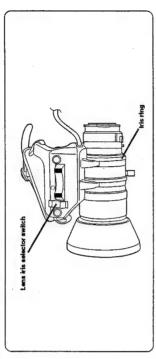


Adjustments during shooting

Exposure adjustment

The exposure varies according to the lens iris.

The lens iris can be adjusted using the automatic iris or manual iris settings.



Automatic iris

Set the lens iris selector switch (IRIS) to "A."

The iris is automatically adjusted to obtain the brightness which is commensurate with the subject.

This unit's automatic iris operation serves to measure the average brightness of the entire screen to control the iris. This means that the subject will tend to become all white or dark when a spotlight is directed on the subject or when the subject is shot under backlight conditions. Use the lens iris at the manual setting for lighting conditions such as these.

Manual iris

Set the lens iris selector switch (IRIS) to "M."

Turn the iris ring and adjust the brightness.

Shooting conditions	Operation
Background is too bright, and subject is dark (Open the iris slightly. (backlight)	Open the ins slightly.
Background is dimly lit, and subject is bright	Stop down the iris slightly.
When special effects are desired	Adjust the ins as required.

Also refer to the operating instructions accompanying the lens you have purchased.

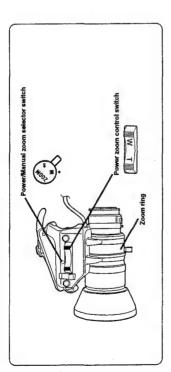
■ If the light quantity is too great, obtain an ND filter (62 mm diameter) from a camera store, and attach it in front of the lens.

Notes:

Zooming

Both power zoom and manual zoom functions are available for zooming.

Power zoom involves simply pressing a switch and selecting telephoto (TELE) or wide angle (WIDE); manual zoom involves operating the zoom ing and selecting telephoto or wide angle.



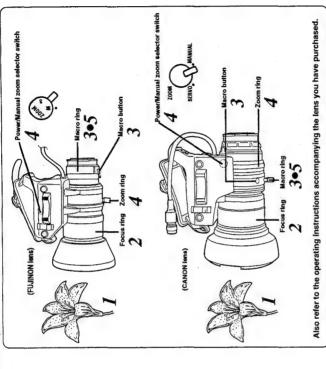
	Power zoom	Manual zoom
Zooming	Set the power/manual zoom selector switch to "S."	zoom Set the power/manual zoom selector switch to "M."
Telephoto	Set the power zoom control Rotate the zoom ring downwards. switch to T (TELE).	Rotate the zoom ring downwards.
Wide angle	Set the power zoom control Rolate the zoom ring upwards. switch to W (WIDE).	Rotate the zoom ring upwards.

Also refer to the operating instructions accompanying the lens you have purchased.

Adjustments during shooting

How to take close-ups

The close-up (macro) function comes in handy when shooting insects, flowers or other subjects positioned at close distances of up to 1 meter or so from the unit.



Bring the lens up close to the subject.

- Set the focus ring to the shortest possible setting.
- 3 Press the MACRO button forwards, and rotate the macro ring.
- The subject appears at its maximum size when the macro ring is rotated as far as it will go.

 Set the power/manual zoom selector switch to "M," and rotate the zoom ring to bring the subject into focus.
- 5 After completing the macro shooting, return the macro ring to its click-stop position.

E-40

White balance adjustment

When shooting a subject, it is necessary to adjust the white balance to a setting which matches the light source. A light source is expressed using a colour temperature (K). The bluer the light, the higher the temperature; conversely, the redder the light, the lower the temperature. The table given below shows the correlation between

Light sources and colour temperatures

Colour temperature (K)

Light source

Clear skies Cloudy Rainy

light sources and colour temperatures.

10,000 8,000 7,000 6,000 5,000

Fluorescent lights (daylight)

Fluorescent lights (white)

Mercury-vapour lamps

Sunshine at midday

4,000 3,500 3,200 3,000

Fluorescent lights (warm white)

Studio lights

1 hour after sunrise, 1 hour before sunset

Hatogen lamps, video lights

30 minutes after sunrise, 30 minutes before sunset

Incandescent bulbs

Sodium lamps

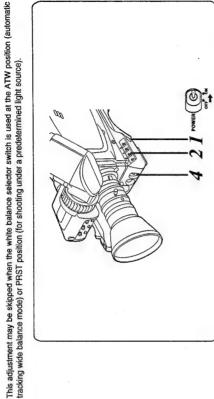
2,500

2,000

Candlelight

Sunrise, sunset

(Lighting inside tunnels)



Set the POWER switch to ON.

Set the white balance selector switch to MEMO.



Place a sheet of white paper, handkerchief or something similar in conditions identical to those of the light sources which will be used to illuminate the subject, and zoom in on the subject so that the screen is filled with the white paper or handkerchief. 3

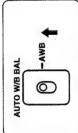
subject may serve instead, but it should be borne in mind that what you Something white (such as a piece of white fabric or white wall) near the

thought was white may in fact be slightly coloured.

• Be careful not to open the lens Iris too far when adjusting the white balance. Attempting to adjust the white balance with the iris open too far will cause the warning "TOO BRIGHT" to be displayed and processing to stop. Note that the "TOO BRIGHT" warning is especially prone to appear when the entire screen is filled with something white, such as a piece of paper.

(Generally speaking, selecting the AUTO IRIS mode to control the lens ints setting will ensure that it is automatically adjusted to the appropriate setting for the lighting level.)

Shoot the white object so that it fills the screen, and set the AUTO W/B BAL switch to AWB.



he white balance adjustment is completed is about 10 seconds.

- Upon completion of the adjustment, the colour temperature display
- appears in the viewfinder.

 Now check that the colour temperature imaged and the colour temperature displayed in the viewfinder match. If they do not fally, it is recommended that the white balance be adjusted again.
- If it was not possible to adjust the white balance, the WHITE BAL ERROR TRY AGAIN message appears in the viewlinder. In a case like this, check that the lens cable is connected properly and that the subject brightness is suitable, and then adjust the white balance again.

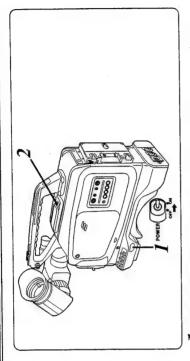
When the white balance should be re-adjusted:

Be absolutely sure to re-adjust the white balance when there has been a change in the light conditions or when the gain setting has been changed.

Notes:

- Since hunting may occur when a zoom lens with an automatic iris mechanism is used, adjust the iris gain knob provided on the lens. For further details, refer to the operating instructions accompanying the lens.
- The white balance cannot be adjusted if the white balance selector switch is set to the ATW or PRST position.
- Do not allow a subject lighter than the white object shot in step 3above onto the screen since the white balance is adjusted with the lightest part of the subject on the screen taken to be white. Failure to heed this caution may cause malfunctioning.
- Do not increase the gain to an unnecessarily high value and then proceed with the automatic white balance (AWB) operation. Failure to heed this caution will cause the iris to be nearly stopped down when AWB is performed so operation will become unstable.
- In order to ensure that a high picture quality is maintained, it is recommended that AWB be performed immediately before shooting scenes of great importance or value. Remarks:
- adjusted automatically inside the unit. Consequently, when the AUTO W/B BAL switch has been operated, the irls will close I When the white balance is adjusted, the black balance is also before opening again: this is normal and not indicative of any maffunctioning.

Normal recording



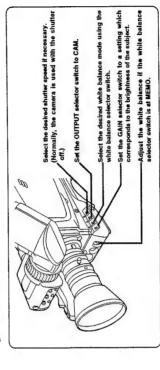
Set the POWER switch to ON.

- Press the EJECT button to open the cassette holder, and insert the cassette tape. 2
- has been set to the REC position.

 This unit uses "L" cassettes only.



Set the camera switches as shown below 3



Point the camera at the subject and adjust the focus and zoom.

- Press the VTR START/STOP button to start the recording.
- Press the VTR START/STOP button to stop the recording.

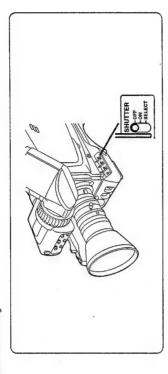
E-46

Normal recording

High-speed shutter

Zebra pattern display

Camera shake can be minimized when shooting moving subjects by increasing the shutter speed. Furthermore, shooting under fluorescent lights produces flickering images, and this flickering can be reduced by changing the shutter speed when shooting.



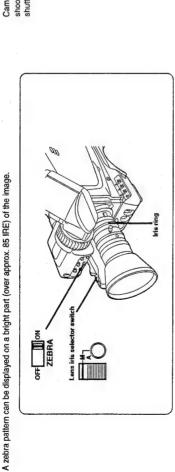
How to change the shutter speed

The SHUTTER switch is non-locking at the SELECT position. Each time it is operated at this position, the shutter speed changes in the following sequence: 1/100 - 1/125 - 1/250 - 1/500 - 1/1000 - 1/4000 - 1/4000 - 1/4000 .When operated again at the 1/8000 setting, the speed returns to

■ The higher the shutter speed setting, the darker the images will become. Check the brightness of the images in the viewfinder, and adjust the lighting and lens irls.

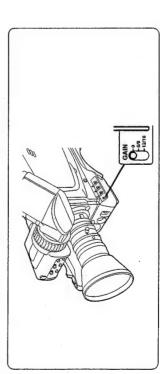
Notes:

■ When shooting extremely bright subjects with the shutter speed at a high setting, the smear effect (a form of distortion in which objects appear stretched out vertically) may be more noticeable than in the shutter OFF condition: this is normal and not indicative of any malfunctioning.



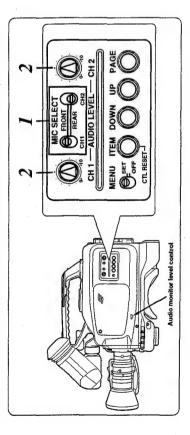
Gain settings

When shooting in locations with insufficient lighting, a brighter image can be produced by increasing the gain. However, it should be borne in mind that the noise will also increase when the gain is raised.



Gain settings of 0/6/12dB or 0/9/18dB are set on the menu item CAMERA SETTING menu screen for operation. (The 0/6/12dB settings were selected when the unit was shipped from the manuacuring plant.) For further details, refer to the menu items (on pages E–49, E–50 and E–54).

Audio recording



Select the desired input signals using the audio input selector switches.

one + FRONT	S - REAR
uilt-in micropho	n using external microphones
then using the built-in n	n using exter
Wher	Wher

\boldsymbol{Z} Adjust the recording levels using the audio level controls.

The recording levels can be checked in the viewfinder. Adjust the levels in such a way that the audio level meter for the viewfinder display shows "-------+" or thereabouts.

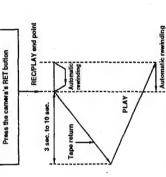
(See page E-16)

■ Howling may occur when the volume of the sound delivered through the audio monitor speaker is too high. If this occurs, turn the audio monitor level control down to a level at which howling does not occur. Notes:

■ The line input can be selected instead of the external microphones by setting an internal switch to the corresponding position. For further details, refer to page E–60. Remarks:

Rec review

When the camera's RET button is pressed while the VTR is in the REC PAUSE mode (which is established after the tape has finished moving back automatically), rec review is conducted so that the quality of what has already been recorded can be checked.



• The amount by which the tape moves backwards can be controlled from 3 to 10 seconds by either pressing the camera's RET button and releasing it immediately or

 The playback images appear in the viewfinder while the tape is being played back in the rec review mode holding it down.

<When no recording has yet been made near the rec review start point> The playback images of the blank part of the tape appear in the viewlinder.

Notes:

to the video output connectors (BNC and S-VIDEO connectors) as During the rec review operation, the rec review images are output

well as to the viewfinder. It should be borne in mind that these rec review images will be recorded if a back-up VTR has been connected to record back-up

Retake

1x normal tape speed or reverse playback images at 1x normal tape speed can be viewed while the button is held down. When the button is released, the REC PAUSE mode is re-established immediately. This function can be used to retake shots by running the tape to the desired position while checking the images and by starting When the FF or REW button is pressed in the REC PAUSE mode, playback images at recording again from that position.

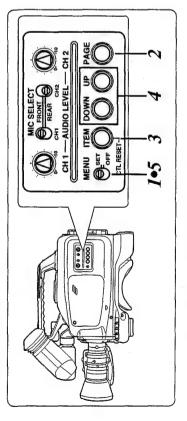
Still-picture playback

The STILL mode is established when the PLAY button is pressed during playback. Both the FF and REW LED displays in the operation section light up at this time. Normal playback is resumed when the PLAY button is pressed again.

E-50

Menu items

Setting procedure

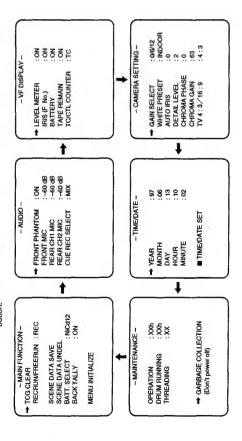


Set the MENU SET/OFF switch to SET.

When the MENU SET/OFF switch is set to SET while the unit is in the stop, eject or rec pause mode, the menu screen is displayed.

Press the PAGE button.

The menu screens are switched in succession as shown below by pressing the PAGE



Menu items

Press the ITEM button.

The ITEM button is pressed to select items on each of the menu screens. Each time the ITEM button is pressed, the arrow at the left of the screen moves. The item indicated by the arrow is the item currently selected.

Press the UP or DOWN button.

Press the UP or DOWN button to change the setting.

Upon completion of the settings, set the MENU SET/OFF switch to OFF.

The original viewfinder screen is restored.

Notes:

The setting data is stored in the built-in flash memory several seconds after the MENU SET/OFF switch has been set to the OFF position. Bear in mind that the data will not be stored correctly if the battery or AC adaptor is removed while the MENU SET/OFF switch is still at SET or immediately after the switch was changed to the OFF settine.

MAIN FUNCTION menu

- MAIN FUNCTION - MAIN FUNCTION RECRUNIFREERUN : REC
SCENE DATA SAVE
SCENE DATA UNDEL
BATT. SELECT : DIGIT
BACK TALLY : ON
MENU INITIALIZE

Menu item	Mode setting	Description of function
TCG CLEAR		Clears the time code generator.
RECRUN/FREERUN	REC. FREE	Selects whether the time code generator is to be used in the REC RUN or FREE RUN mode. Regeneration is conducted if REC RUN mode is selected.
SCENE DATA SAVE		Stores the SCENE data on the tape. (Refer to the section on SCENE data on pages E-57 and E-58.)
SCENE DATA UNDEL		Restores the SCENE data. (Refer to the section on SCENE data on pages E-57 and E-58.)
BATT. SELECT	NICA12 NICA13 NICA14 DIGIT	Selects the type of battery to be used. NiCd12: For an AC adaptor or a 12 V nicket-cadmium battery. NiCd13: For a 13.2 V nicket-cadmium battery. NiCd14: For a 14.4 V nicket-cadmium battery. DIGIT: For a digital nicket-cadmium battery (same for both 13.2 V and 14.4 V).
BACK TALLY	ON OFF	ON is selected if the back tally LED display is to be used; OFF is selected if it is not to be used.
MENU INITIALIZE		Restores all the menu items to the settings established before the unit was shipped from the factory.

The underlining for the mode settings indicates the modes selected before the unit was shipped from the factory.

Menu items

AUDIO menu

	NO :: 60 dB	
- AUDIO-	→ FRONT PHANTOM FRONT MIC REAR CH1 MIC REAR CH2 MIC CUE REC SELECT	

Menu item	Mode setting	Description of function
FRONT PHANTOM	ON OFF	Sets the phantom power for the front microphone to ON or OFF. ON is selected if the microphone provided with the unit is to be used.
FRONT MIC	-50 dB -50 dB -40 dB	Selects the front microphone input level setting. Select –60 dB, –50 dB or –40 dB depending on the microphone used.
REAR CH1 MIC	-50 dB -50 dB -40 dB	Selects the rear microphone CH1 input level setting. Select -60 dB, -50 dB or -40 dB depending on the microphone used.
REAR CH2 MIC	-50 dB -50 dB -40 dB	Selects the rear microphone CH2 input level setting. Select -60 dB, -50 dB or -40 dB depending on the microphone used.
CUE REC SELECT	CH1 CH2 MIX	Selects the signals to be recorded on the CUE audio track from among the CH1, CH2 and MIX signals.

The underlining for the mode settings indicates the modes selected before the unit was shipped from the factory.

Menu items

CAMERA SETTING menu

→ GAIN SELECT	: 0/6/12
WHITE PRESET	: INDOOR
AUTO IRIS	0:
DETAIL LEVEL	
CHROMA PHASE	0:
CHROMA GAIN	: 63
TV 4:3/16:9	:4:3

88885

►LEVEL METER
IRIS (F No.)
BATTERY
TAPE REMAIN
TG/CTL COUNTER

- VF DISPLAY -

VF DISPLAY menu

		201001111111111111111111111111111111111			
	more sering	Description of function	Mani item	Made cotting	Doordon of franchise
LEVEL METER	NO PFO	Selects whether the audio level meter reading is to be displayed on the viewfinder.	GAIN SELECT	0/6/12	Selects whether the 0/6/12 dB or 0/9/18 dB settings are to apply
IRIS (F No.)	OFF.	Selects whether the lens iris f-value is to be displayed on the viewfinder.	WHITE PRESET	INDOOR	To the operation of the camera gain selector switch. Selects whether OUTDOOR or INDOOR is to be set when the
BATTERY	OPP PFO	Selects whether the remaining battery charge is to be displayed on the viewlinder.	O'CLI CALLE	HOODI OO	camera's WHI IE BAL Selector SWICH IS at the PHST position.
TAPE REMAIN	OFF.	Selects whether the remaining tape amount is to be displayed on the viewfinder.	AUTOTHIS	0 d	Selects the target brightness of the auto iris. The brightness can be set in 0.1 increments from -3.0 to 3.0. Example: When -1.5 is selected, the Iris is closed by
TC/CTL COUNTER	218	Selects whether the viewfinder counter display is to show the time code, user bit, CTL or none of these.		3.0	approximately 1.5 stops from the factory setting. However, there may be a slight deviation from this value.
	OFF		DETAIL LEVEL	0	Finely adjusts the camera detail level. Adjustment is possible from 0 to 16.
The underlining for t factory.	the mode settings indi	The underlining for the mode settings indicates the modes selected before the unit was shipped from the factory.		16	
			CHROMA PHASE	-32	Finely adjusts the camera's chroma phase. Set the value in the + direction if the skin colour is to be made redder or in the -
				O 58	direction if it is to be made more yellow. Any value from -32 to 32 can be set.
			CHROMA GAIN	0 63	Adjusts the camera's colour intensity. The higher the value, the greater the intensity of the colours. Any value from 0 to 63 can be set.
			TV4:3/16:9	4:3 16:9	Selects whether the camera is to be used for screen dimensions of 4:3 or 16:9.

The underlining for the mode settings indicates the modes selected before the unit was shipped from the factory.

Selects whether the audio level meter reading is to be displayed on the viewfinder. Description of function

Mode setting

Menu item LEVEL METER

TIME/DATE menu

→ YEAR : 97
MONTH : 06
MONTH : 06
MONTH : 13
HOUR : 10
MINUTE : 02

Note:

Make absolutely sure that the arrow is moved to the "■ TIME/DATE SET" position upon completion of the setting, and then press the UP or DOWN button. The settings will not be recorded unless the UP or DOWN button is pressed at the "■ TIME/DATE SET" position.

Menu stem	Mode setting	Description of function
YEAR	00	Sets the last two digits of the year.
	66	Examples: "97" is set for 1997, and "01" for 2001.
MONTH	10	Sets the month using two digits.
	57	
DAY	10	Sets the day using two digits.
	 31	
HOUR	00	Sets the hour (24-hour mode) using two digits.
	24	
MINUTE	00	Sets the minute using two digits.
	68	

Menu items

MAINTENANCE menu

	- MAIN IENANCE -	OPERATION : XXh DRUM RUNNING : XXh THREADING : XX	◆ GARBAGE COLLECTION (Don't power off)
--	------------------	---	--

Menu item	Description of function
OPERATION	Indicates the number of hours during which power has been supplied to the unit to date.
DRUM RUNNING	Indicates the total accumulated number of hours during which the head cylinder has been operating to date.
THREADING	Indicates the number of times a tape was loaded to date.
GOLLECTION	Gives the command to collect the garbage in the built-in flash memory. If the "FLASH MEMORY EMPTY" message appears in the viewfinder when the power is turned on, align the arrow with "GARBAGE COLLECTION," and press the UP or DOWN button. Collection of garbage in the flash memory then commences. • Once the collection of garbage in the flash memory has commenced, no operation is possible for about one minute. Upon completion of this processing, normal operation can be resumed. • While the garbage in the flash memory is being collected, do NOT turn off the power. Also ensure that the battery has an adequate charge during this operation. If the power is cut off during the processing, the collection of the garbage in the flash memory will be discontinued and not completed property, and this will affect subsequent operation.

SCENE data (news gathering data recording)

If SCENE data is used for future non-linear editing or other such applications, it will be SCENE data is an information exchange system for enhancing efficiency during editing. It operates by gathering information for editing during shooting and recording it possible to do the job extremely efficiently

The SCENE data information consists of the following data for each cut.

onto the tape.

- The recording start time code and recording stop time code are automatically written.
- MARK is written by operating buttons.
 A return is made to cut 1 when the cassette tape is replaced.
- In order to ensure frame-to-frame continuity in operation, this unit returns the tape by several frames from the position of the previous cur's recording stop, and then it starts to record the next cut (this is known as overlap recording). For this reason, the position of the SCENE data information's recording stop time code is shifted slightly from the end point of the cut recorded on the tape.

MARK operation

MARK is an extremely simple memo (3 types: "No MARK," "MARK 1" or "MARK 2") The "No MARK" status is established when recording starts.

bution. "WARK I" now appears in the right corner of the viewfinder. When the MARK/CANCEL button is pressed again, "MARK 2" appears, and when the MARK/CANCEL button is pressed yet again, the CANCEL mode is established, and Make up your own rules governing the use of these marks by, for instance, assigning "MARK 1" to one shooting session and "MARK 2" to another. When a situation arises which meets the conditions of the rules you have made up, press the MARK/CANCEL the "MARK" display in the right corner of the viewfinder is cleared. which is inserted during shooting to facilitate editing afterwards.

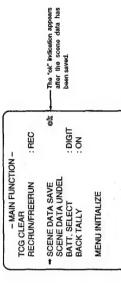
When the recording of the next cut is started, this "MARK" is recorded into the internal memory, and the MARK/CANCEL button may be pressed any number of times until the next recording is started

Saving the SCENE data onto the tape N

The SCENE data is saved before the tape is ejected. Normally, it is saved after the final cut has been shot.

Set the menu SET/OFF selector switch to SET and display the MAIN FUNCTION

Menu item screen (viewfinder)



Use the ITEM button to align the arrow with the SCENE DATA SAVE position, and press the UP or DOWN button.

The VTR starts operating in the recording mode. It takes about 10 seconds for the SCENE data to be saved, and "ok" indication appears.

Notes:

Other operations cannot be performed while the SCENE data is is being saved. This is not a malfunction. Once the SCENE data has been saved, the colors will return to their original state. Also, the camera image appears in the viewfinder and is output via the VIDEO OUT jack while the SCENE data is being saved, but an image that is completely green is recorded on the tape. This The colors of the camera image may change while the SCENE data

facility makes it easier during playback to find the exact position where the SCENE data was recorded. When the tape is ejected, the SCENE data stored to date is cleared, and the preparations are made to gather the SCENE data for the next tape.

Remarks:

button to align the arrow with SCENE DATA UNDEL. The data can If it is absolutely essential for the data to be restored because you tape, display the MAIN FUNCTION menu screen, and use the ITEM forgot to save it before the tape was ejected, reload the ejected now be restored by pressing the UP or DOWN buttor

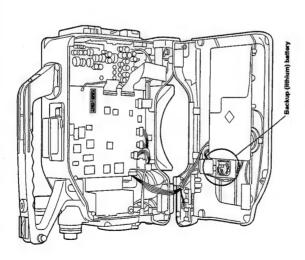
If the tape is reloaded after its ejection and recording is then started, the data will be rewritten by the SCENE data for the new tape. This means that the data cannot be restored.

Replacing the back-up battery

The unit is shipped from the factory with a back-up battery already installed.

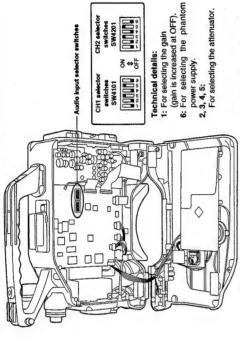
The "BACKUP BATTERY EMPTY" message appears in the viewfinder when the back-up battery has run down.

Consult with your dealer, and replace the battery with a new one (CR2032 or BR2032).



Selecting the audio input

To connect phantom microphones or the line input to the audio input connectors on the rear panel, set the internal switches (audio input selector switches) to the appropriate positions.



When an ordinary microphone is used (factory settings):

ON :3,5 OFF:1,2,4,6 NO SERVICE OF When a phantom microphone is to be used: ON :3,5,6

ON :3,5,6 Set the switches to the above positions.

When the line input is to be used:

ON :1,2,4

TO SET THE SWITCHES to the above positions.

It is set using the REAR CH1 MIC/REAR CH2 MIC menu item (on the AUDIO menu/see page E-52) but the menu screen display will remain unchanged even when the internal switches are set to the positions shown above. Use the table given below as a reference to convert the input level. The line input level can be switched to one of three settings: -6 dB, 0dB or +4 dB.

Menu display	For microphone	For line input
8P 09-	-60 dB	−6 dB
-50 dB	-50 dB	8P 0
-40 dB	-40 dB	+4 dB

Tips on lighting

Studio lighting

if the colour temperature of the light source differs from this value, the colours of the subject will appear differently from what is seen by the eye. The shadows may take on colours or the image Use halogen lamps with a colour temperature of 3,000K to 3,200K for lighting in a studio. may not appear with the proper colours.

Use lighting of 300 lux or above. If it is less than this value, the screen may appear dark, the confrast may be insufficient, the depth of focus may be shallow or the picture quality may suffer deterioration in some other way.

Ensure that the lighting is directed evenly over the entire subject and that no shadows are

Consult the table below and use the figures given, which are approximations only, as a guideline for evaluating the brightness.

 Shopping arcade at night (150 to 200) 9 200 8 1,000 beriuper gnitrigid beriseb gnitrigid Slightly weaker base light directed from the top right Use of halogen lamps (3,000 K to 3,200 K) with a brightness of over 300 lux as the light sources and with the lighting directed eventy over the subject Back light Key light directed from a slightly raised position at

 Indoor area lit with fluorescent lighting (400 to 500) Sunlight 1 hour after dawn on a cloudy day (2,000) Sales counters of a department store (500 to 700) Sunlight 1 hour before dusk on a clear day (1,000) Brightness underneath a street lamp (50 to 100) Brightness of a cigarette lighter at 30 cm (15) Sunlight at midday on a cloudy day (32,000) Brightness of a candle at 20 cm (10 to 15) Sunlight at 10 AM on a cloudy day (25,000) Direct beam from a flashlight at 1 m (250) Outdoors at midday under a cloudless sky By a train window in the afternoon (3,500) Sunlight at 10 AM on a clear day (65,000) Sunlight at 3 PM on a clear day (35,000) On the beach at the height of summer In the mountains covered with snow Sunlight on a clear day (100,000) 10,000 100,000 (Unit: lux) ND titter required Actual shooting without lighting

long time which is reflecting either a bright light or the light which Do not expose the lens directly to sunlight or shoot a subject for Notes:

is used for lighting.

Flickering may result if the camera is used to shoot under fluorescent lights. Add extra lighting such as video lights (optional accessories) in cases like this.

If the light quantity is too great, obtain an ND filter (62 mm diameter) from a camera shop, and attach it in front of the lens.

Tips on lighting

Tips on outdoor shooting

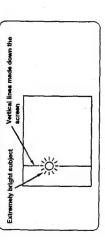
level of the subject itself is extremely high, it is recommended that the light quantity be adjusted using the electronic shutter or that an ND filter be added in front of the lens. This unit does not contain an ND filter. Obtain an ND filter (62 mm diameter) from a camera store, and attach fit in front of the lens. When, while shooting a subject outdoors under clear skies or for other reason, the brightness

Phenomena inherent to CCD cameras

The following phenomena are known to arise in CCD cameras.

Smear

Although this unit has extremely low smear characteristics, smear may arise when shooting an extremely bright subject.



Flicker

Flickering may occur if fluorescent lights are used for the lighting. This is the case in areas where the commercial power line frequency is 50 Hz or when a high shutter speed is used. To prevent flicker, set the electronic shutter speed to 1/100 where the commercial power line frequency is 50 Hz and to OFF where it is 60 Hz.

Moiré

Shooting a subject with striped patterns may give rise to the formation of Moiré patterns

White streaks may appear at high temperatures. They may be more conspicuous when the gain White streaks

Picture roughness

has been increased.

Roughness in a specific pattern may appear all over the screen when the temperature is extremely high.

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Troubleshooting

If you suspect trouble in your unit, proceed with the inspections or adjustments described below. Consult your dealer if the trouble persists even after you have taken the remedial action suggested.

Symptom	Inspection/adjustment	Reference page no.
 The power fails to come on. 	 Check if the battery still has a sufficient charge. Check if the AC adaptor has been connected securely. 	
●The low battery warning is given (BATT LED or TALLY LED lights or flashes).	 Check if the battery still has a sufficient charge. Check if the battery setting menu item has been set correctly. If the AC adaptor is being used, use the NiCd12 setting for the battery selection menu item. 	E-16 E-51
The *BACKUP BATTERY EMPTY* message appears when the power is turned on. The real time is not correct.	 The back-up battery may have reached the end of its service life (approx. 1 year). Consult with your dealer and replace it with a new one. 	E-17 E-59
No operation results when the function buttons are pressed.	Check the viewfinder for error messages.	E-17 E-18
• The tape cannot be fast forwarded or rewound.	 Check if the tape has already been fast forwarded or rewound all the way to the end or beginning of the tape. 	

Condensation

Condensation may form on the head cylinder when the unit is moved from a cold location into a warm room or when it is operated in a humid environment. The principle behind this phenomenon is the same as when droplets of water form on the

window panes of a heated room.

These droplets are called condensation. If the tape is made to travel when condensation has

formed, the head cylinder and tape may be damaged.

Take the following precautions regarding condensation:

• Before inserting the cassette tape, set the power switch to ON, and check that the VTR LED or TALLY LED is not lighted or flashing and that the HUMID display is not lighted on the

Whenever possible, avoid operating the unit in situations where condensation is likely to form.
 When the unit is to be moved, remove the cassette tape before moving it.
 If the HUMID display flashes while the cassette tape is already loaded, take the following

display panel.

1. Turn on the power.

Press the EJECT button to eject the cassette tape.
 Wait until the HUMID display stops flashing.
 Once the HUMID display has stopped flashing, insert the cassette tape and run it.
 Check that no trouble occurs.

Maintenance

- The unit has a precision-made construction inside which is designed to deliver a high performance. Take care to conduct proper maintenance in order to keep the unit in perfect working order for many years to come. Sophisticated technology and equipment are required to replenish the oil, replace the parts or adjust the electrical components. Consult your dealer
- and dust from inside, replenishing the lubricating oil and replacing the worn parts (such as heads), will make it impossible for the unit to produce quality pictures and proper recordings. It will also shorten the unit's service life. Ensure that the unit is maintained and inspected well as to when these steps need to be taken.

 • Failure to adhere to the maintenance and inspection routine, which involves removing the dirt ahead of time.

Cleaning the heads

When the heads need to be cleaned, use the AJ-CL12LP cleaning cassette. Follow the handling instructions accompanying the cleaning cassette since the video heads may be damaged if it is used incorrectly.

Cleaning the lens

- Maintain and inspect the lens once a year.
- Wiping the lens may leave scratches on it. Use an air blower or a brush with soft bristles to
 blow or brush away the dirt or dust which may have accumulated on the lens surface.
 If grease or fingerprints have been left on the lens, use a lens cleaner available from a camera shop, and wipe the lens starting from its center. Make circular motions and work towards the

Ensure that droplets of water will not find their way to the lens when shooting in rainy or snowy conditions.

Once the lens has been removed from the camera, attach the lens cap to prevent dust and dirt accumulating on the inside of the lens.

Cleaning the viewfinder

- Do not use paint thinners or other solvents to remove dirt on the viewfinder.
 Use a lens cleaner available from a camera shop to wipe the lens.
 Under no circumstances must the mirrors be touched. Use an air blower available from a camera store to blow away any dirt or dust which may have accumulated on them.

Service Menu

The following menu allows service personnel for service the AJ-D200.

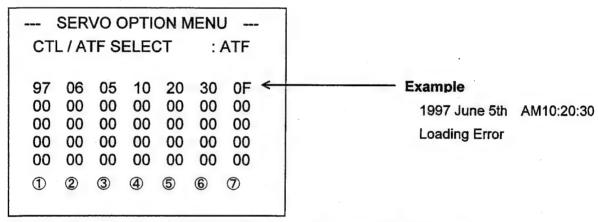
1. Software Version Menu

Set the MENU SET/OFF switch to SET while the **UP** and **DOWN** button depressed. It will display Software version of System Control and Servo.

2. Error Record Menu (Servo Option Menu)

Set the MENU SET/OFF switch to SET while the UP and ITEM button depressed.

The following menu appear in the View Finder.



1) Year 2 Month 3 Day 4 Hour 5 Minute 6 Second 7 Error Code

Error Code	Error
04	Detected abnormal condition of the Brake or Pinch Solenoid.
08	Detected abnormal condition of the Cleaning Solenoid.
0F	Detected loading or unloading operation not completed less than 10 seconds.
0E	Detected Drum motor locked up for 3 seconds.
0D	Detected Capstan motor locked up for 1.5 seocnds.
0C	Detected Take Up motor locked or abnormal speed condtion up for 3 seconds
0B	Detected Supply motor locked or abnormal speed condtion up for 3 seconds
FF	Detected communication error between System Control and Servo.
09	Detected serial clock communication error from Servo.
0A	Detected DEW condtion.
11	Detected no Frame pulse.

3. TC / UB / CTL Set Menu

Set the MENU SET/OFF switch to SET while the DOWN and PAGE button depressed.

The following menu appear in the View Finder.

-		10	DATA	SEI	
	→	HOL	JR	: 00	
		MIN	UTE	: 00	
		SEC	•	. 00	

- SEC : 00 FRAME : 00
- TC DATA SET

- 1. Select item by ITEM button.
- 2. Change data by UP or DOWN button.

Hour: 0~23

Minute: 0~59

Second: 0~59

Frame: 0~29

- 3. Select TC DATA SET by ITEM button.
- Press UP or DOWN button to set the data. (change flush to light)

↓ Press PAGE button.

- --- UB DATA SET ---
 - → HOUR : 00 MINUTE : 00 SEC : 00
 - UB DATA SET

FRAME

- 1. Select item by ITEM button.
- 2. Change data by UP or DOWN button.

Hour: 0~FF

Minute: 0~FF

Second: 0~FF

Frame: 0~FF

- 3. Select UB DATA SET by ITEM button.
- 4. Press UP or DOWN button to set the data. (change flush to light)

↓ Press PAGE button.

: 00

:00

- -- CTL DATA SET ---
 - → HOUR : 00 MINUTE : 00 SEC : 00

FRAME

CTL DATA SET

- 1. Select item by ITEM button.
- 2. Change data by UP or DOWN button.

Hour: 0~23

Minute: 0~59

Second: 0~59

Frame: 0~29

- 3. Select CTL DATA SET by ITEM button.
- 4. Press UP or DOWN button to set the data.(change flush to light)

↓ Press PAGE button to return TC DATA Set menu.

PC-EVR Adjustment Program

1. Adjustment Program Requirement

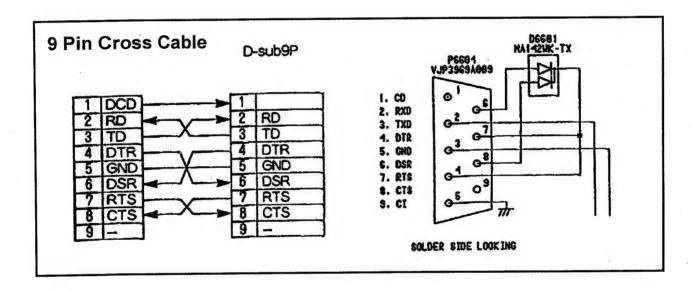
- PC-EVR Adjustment Software (VFK1340)
- Personal Computer (with WINDOWS Ver. 3.1 or WINDOWS 95)
- RS232C Cross Cable (9 Pin Female)

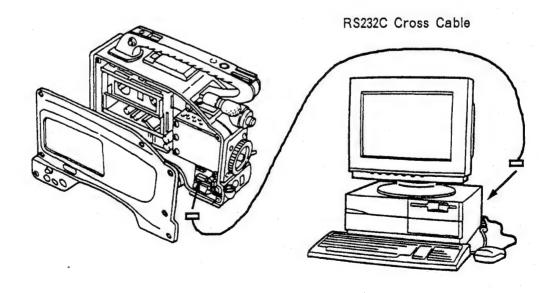
2. Set Up the Program & PC-EVR Connection

Install the Adjustment Program (VFK1340) floppy disk to the hard disk in personal computer.

Place FD in the Floppy Disk drive and copy 【 VSD 】 holder to the Hard Disk drive (C drive).

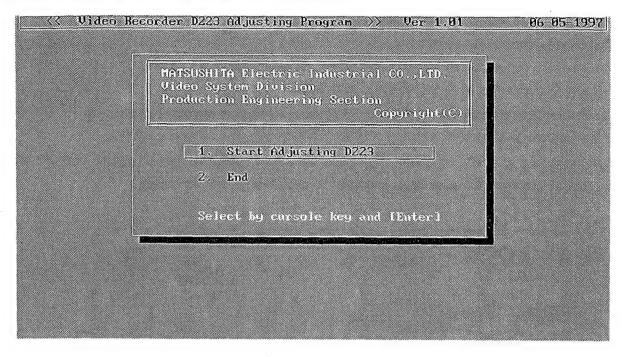
Connect the serial port of PC and P6604 of the TEST Connection C.B.A. at right side of the unit with 9 pin cross cable. (Please remove the Cassette Cover and Right Panel before perform adjustment.)





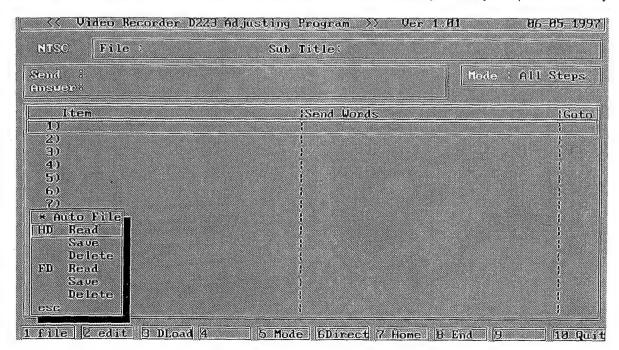
2. Start Up the Program

Type CD VSD and press Enter key at DOS prompt. Type ADJVD and press Enter key. Type ADJVD038 then atart this adjustment program and following title appears on the screen.

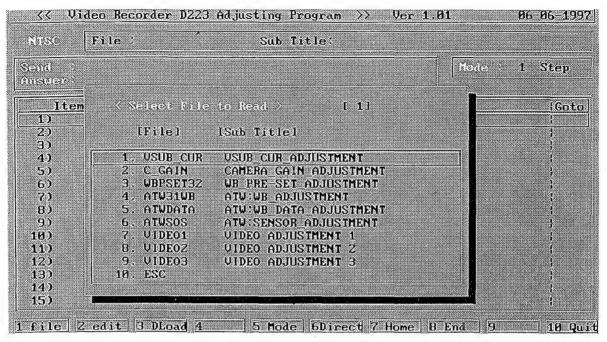


Select the 1. Start Adjusting D223 and press Enter key. Next appears NTSC / PAL (select PAL) and press Enter key.

The * Auto File window appear at left bottom on screen and select HD Read by ↑ ↓ key and press Enter key.

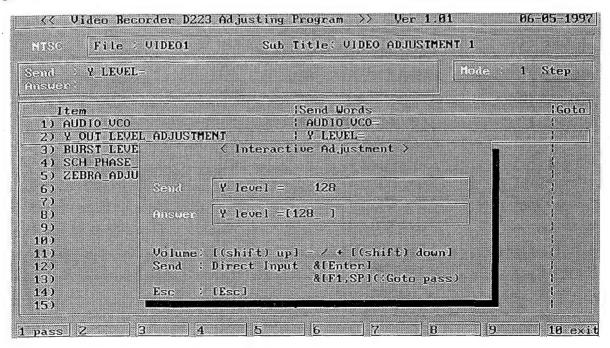


The < Select File to Read > window appear and select Sub_Title refer to each adjustment procedure by ↑ ↓ key and press Enter key.



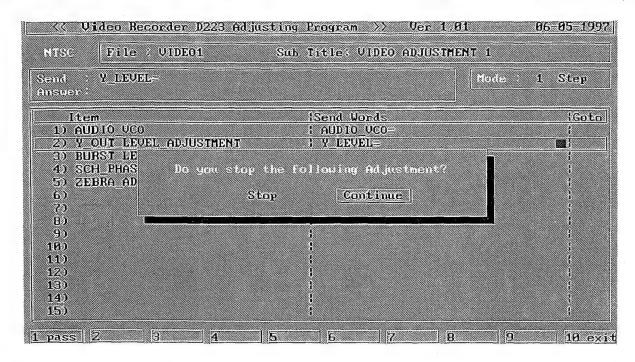
Move to other **Sub_Title**, press **F1** (**File**) key after completed adjustment. It will appear * **Auto File** window and select HD Read. Therefore < **Select File to Read** > window appear again.

The < Interactive Adjustment > window will appear when selected adjustment item as following. Press ↑ ↓ key to change value of data, then press Enter and ESC key write data in EEPROM.



After pressed ESC key the following window appear on screen. Do you stop the following Adjustment?

If want to go next item: select Continue and press Enter key. If want to Exit: select Stop and press Enter key.



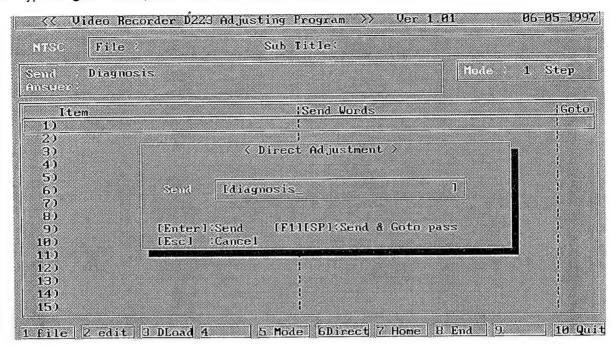
Direct Command List

Command	Contents
DIAGNOSIS	Inquire of the Return Operation Hours, and Syscon & Servo soft versions.
ADJMODE	Inquire of the Servo mode setting (Servo mode, Conceal, ECC and Dolby).
SETUPMENU	Inquire of the Menu set up.
INITIALIZE=OPERATION	Clear of the Operation hours.
INITIALIZE=DRUM_RUNNING	Clear of the Drum rotation hours.
INITIALIZE=THREADING	Clear of the Loading times.
INITIALIZE=MENU	Initialize the Menu to the Factory default setting.
SYNC	Force the adjustment data write into the Flush-memory.
CONCEAL=ON	Conceal ON.
CONCEAL=OFF	Conceal OFF
INNERECC=ON	Inner ECC ON
INNERECC=OFF	Inner ECC OFF
OUTERECC=ON	Outer ECC ON
OUTERECC=OFF	Outer ECC OOF
DOLBY=ON	Dolby ON
DOLBY=OFF	Dolby OFF

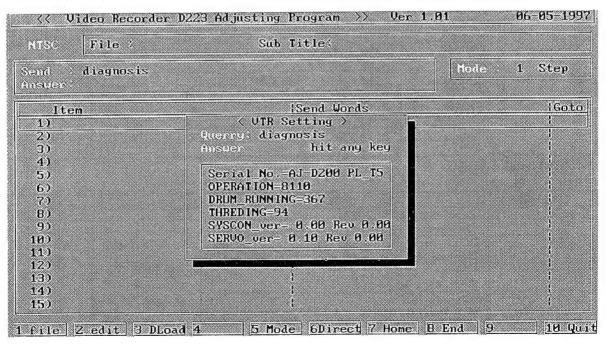
Direct Command operation.

Press F6 (Direct), < Direct adjustment > window appear on screen as shown in below.

Example: Type diagnosis and press Enter key. Therefore appear return data from unit.



Example: < VTR Setting > shows Serial No., Operation hours, Drum rotation hours, Loading threding time and System Control & Servo Processor version.



Tool List

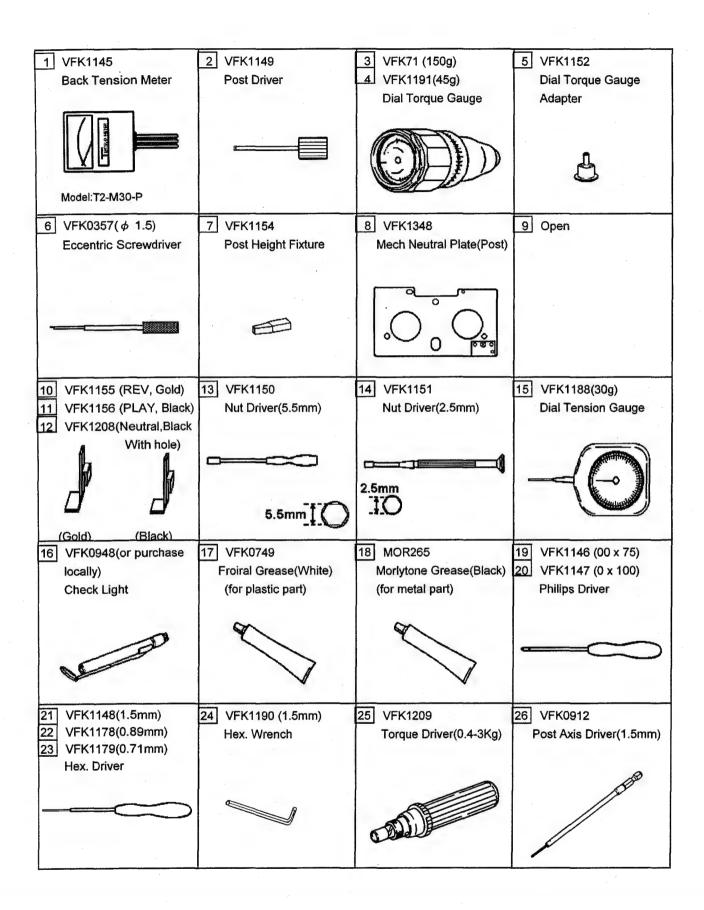
Fig	ITEM	PART No.	JIG & EQUIPMENT	AJ-D700	AJ-D230	Remark
	ig Tool	VFK1145	Back Tension Meter (T2-M30-P)	yes	yes	
		VFK1149	Post Driver	yes	yes	
2		VFK71	Dial Torque Gauge (150g)	yes	yes	
4		VFK1191	Dial Torque Gauge (45g)	yes	yes	
5		VFK1152	Dial Torque Gauge Adaptor	yes	yes	
6		VFK0357	Eccentric Screwdriver (1.5)	yes	yes	
6		VFK1154	Post Height Fixture	yes	yes	
8		VFK1348	Mech. Neutral Plate (Post)	no	yes	New
10		VFK1155	Neutral Position Tool (Gold)	yes	yes	
11		VFK1156	Neutral Position Tool(Black)	yes	yes	
12		VFK1208	Neutral Position Tool (Black w/Hole)	yes	yes	
13		VFK1150	Nut Driver (5.5mm)	yes	yes	
14		VFK1151	Nut Driver (2.5mm)	yes	yes	
15		VFK1188	Dial Tension Gauge (30g)	yes	yes	
16		VFK0948	Check Light	yes	yes	
17		VFK0749	Froiral Grease (for plastic)	yes	yes	
18		MOR265	Morlytone Grease (for metal)	yes	yes	
19		VFK1146	Philips Driver (Fine) (00-75)	yes	yes	
20	*	VFK1147	Philips Driver (Fine) (0-100)	yes	yes	
21		VFK1148	Hex. Driver (1.5)	yes	yes	
22		VFK1178	Hex. Driver (0. 89)	yes	yes	
23		VFK1179	Hex. Driver (0. 71)	yes	yes	
24		VFK1190	HEX. Wrench	yes	yes	
25		VFK1209	Torque Driver (0.4-3Kg)	yes	yes	
26		VFK0912	Post Axis Driver(1.5mm)	yes	yes	
27		DAQ-12	A/D Board	yes	yes	Purchase locally
28		VFM3680KL	Alignment Tape (No. 1)	no	yes	New (PAL only)
29		VFM3681KL	Alignment Tape (No. 2)	no	yes	New (PAL only)
30		VFM3682KL	Alignment Tape (No. 3)	no	yes	New (PAL only)
31		AJ-CL12LP	Cleaning Tape	no	yes	SALES
32		VFK1159	LISTA Software	yes	yes	
33		VFK1186	LISTA CABLE	yes	yes	
34		VFK1340	PC-EVR Adjustment Software	no	ok	New (PAL only)
35		VFK1341	CC Filter (LB40)	no	ok	New
36		VFK1343	CC Filter (LA40)	no	ok	New (PAL only)
37		VFK1347	CC Filter (LB120)	no	ok	New
38		VFK1345	CC Filter Holder	no	ok	New
39		VFK1346	CC Filter Holder Step Down Ring	no	ok	New
40		VFK1158	B. E. R. Counter Tool	yes	ok	
41		VFK1185	B. E. R. Counter Cable	yes	ok	
42		VFK1248A	Flush ROM Version-Up Software	no	yes	<u> </u>
43			9 Pin Reverse (Cross) Cable	no	yes	Purchase locally

Alignment Tape

TIME (min)	V1DE0	CUE	PCM
0:00~	Colour Bar SMPTE(75%) (Component Video Level Confirmation)	1KHz OVU (CUE Level	1KHz -20dB (Audio Leve
7:00~	Colour Bar Full Field(100%) (Composite Video Level Confirmation)	Confirmation)	Confir- mation)
14:00~	H Sweep (Frequency Response)	6KHz 0VU (A/C Head	
18:00~	Bowtie (500K) (Y/C Timing)	Azimth)	
22:00~	Pulse & Bar (Y/C Timing)	1KHz 300Hz~6KHz	
26:00~	Area Markers	(Frequency Response)	

VFM3681KL (No. 2)

TIME (min)	Signal
0:00~20:00	ITI Pattern (LISTA adjustment)
VFM3682KL (No. 3)	
TIME (min)	Signal
0:00~10:00	X Value (A/C Head Adjustment)



	28 VFM3680KL	31 AJ-CL12LP	32 VFK1159
	29 VFM3681KL	Cleaning Tape	LISTA Software
	30 VFM3682KL	(L cassette)	33 VFK1186
	DVC PRO Alignment Tape	(= =====)	LISTA Cable
Locally)	(L cassette)		
	Permanic DVCPRO	Francis DVCPAQ	
34 VFK1340	35 VFK1341 (LB40)	38 VFK1345	40 VFK1158
PC-EVR Adjustment	36 VFK1343 (LA40)	CC Filter Holder	B.E.R. Counter Tool
Software	37 VFK1347 (LB120)	39 VFK1346	41 VFK1185
	CC Filter	CC Filter Holder Step	B.E.R. Counter Cable
		Down Ring	
42 VFK1248A			·
Flush ROM Version-Up			
Software			
		·	
·			

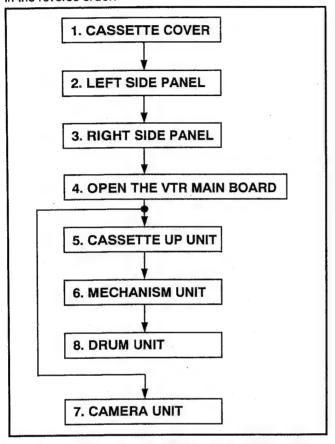
DISASSEMBLY PROCEDURE & MECHANICAL PART REPLACEMENT

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DISASSEMBLY PROCEDURE

This flow chart indicates the disassembly steps the cabinet pares, P.C. Boards and Mechanism Unit in order to access to items to be serviced. When reinstalling, perform the steps in the reverse order.



DISASSEMBLY METHOD

1. Removal of Cassette Cover

Loosen the 2 screws (A) and slide the cover upward then remove it.

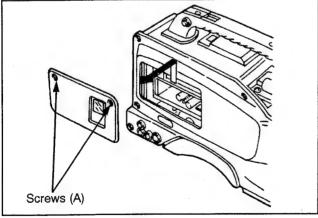


Figure 1-1

2. Removal of Left Side Panel

After removing the cassette cover, loosen the 7 screws (B) and remove the panel.

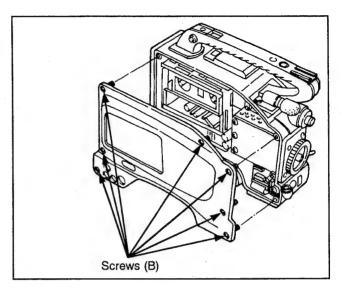


Figure 1-2

3. Removal of Right Side Panel

Loosen the 7 screws (C) carefully disconnect the P10 connector on the VTR Main C.B.A.

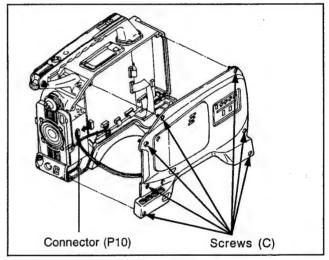


Figure 1-3

4. Open the VTR Main & Power C.B.A.

After removing the right side panel, unscrew the 2 screws (D), 1 screw (E) on the VTR Main board and 3 screws (F), 1 screws (G) on the Power board, then lay down the boards.

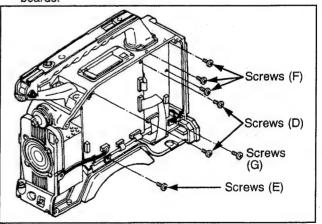


Figure 1-4

5. Removal of Cassette Up Unit

After removing the left side panel, unscrew the 4 screws (H) and remove it.

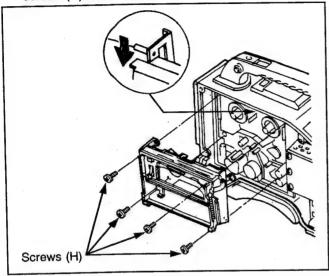


Figure 1-5

6. Removal of Mechanism Unit and Servo C.B.A.

After removing the loth side panel, disconnect the P3001 felxible cable on the VTR Main board.

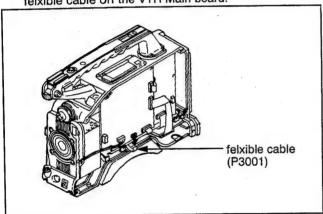


Figure 1-6

Open the board, Disconnect the P2615 connector and P2619 felxible on cable on the VTR Main board.

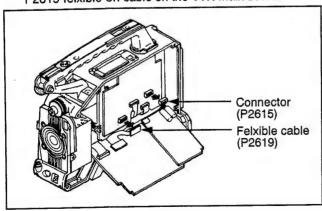


Figure 1-7

Unscrew the 2 screws (J) and slightly pull the AV Out unit then disconnect the P1005 on the Real Jack board. Unscrew the 3 screws (K), Remove the mechanism chassis and the Screw board with care not to scratch the connectors and cables.

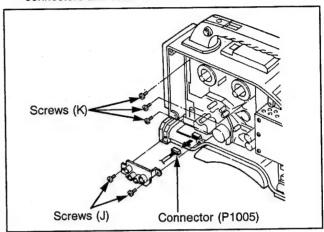


Figure 1-8

7. Removal of Camera Unit

After removing the both panels, disconnect the P6601, P6602 felxible cables and the P6605 connector. Unscrew the a screw (L) on the test connector board.

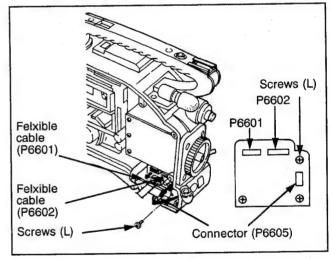


Figure 1-9

Disconnect the P7 connector and the P1 felxible cable on the VTR Main board.

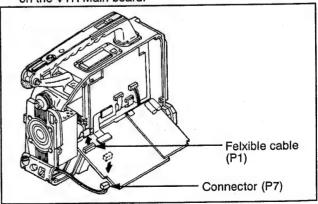


Figure 1-10

Unscrew the 4 screws (M) and pull out the camera unit.

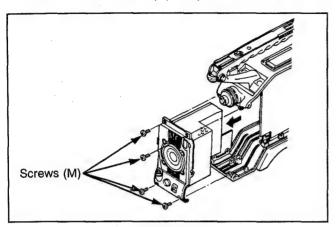


Figure 1-11

8. Removal of Drum Unit

After removing the mechanism unit, disconnect the P613 felxible cable.

Hold the top of the drum unit and unscrew he 3 screw

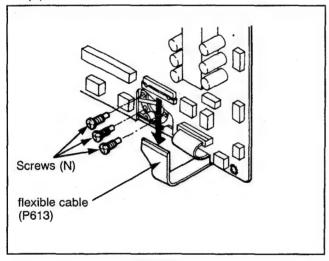


Figure 1-12

Remove the drum unit with care not to scratch the cables.

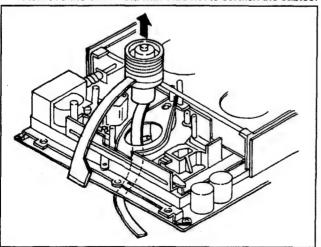


Figure 1-13

9. Emergency Eject

If the cassette tape cannot be ejected with pressing EJECT button or the cassette tape may be damaged by ejecting it, the cassette tape should be ejected out by the following steps.

- 1. Turn the power off.
- Open the rubber cap above the GEN LOCK IN connector. Push in and rotate the red screw counterclockwise.
- 3. The tape is unloaded with click.
- 4. Continue until the cassette tape is ejected.

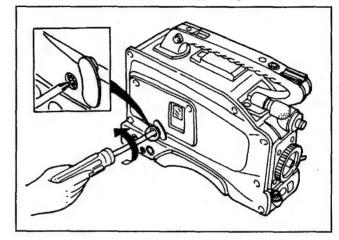


Figure 1-14

Maintenance Schedule

			Using Hours					
No.	Name	Part Number	2,000	4,000	6,000	8,000	10,000	12,000
_	Tape Path Cleaning		Δ	Clean th	e Tape Pa	ath at eac	h 500 hou	irs
1	Cylinder Unit	VEG1408	•	•	•	•	•	0
2	Pinch Arm Unit	VXL2684		•		• =		0
3	Cleaning Arm Unit	VXL2748	•	•	•	•	•	0
4	S Reel(Rotor Unit)	VEM0633			•			0
5	T Reel(Rotor Unit)	VEM0634			•			0
6	S Brake Arm	VXL2755			•			0
7	T Brake Arm	VXL2756			•	·		0
8	Thrust Screw Unit	VXQ0556			• 4			0
_	Mech. Chassis Unit	VXY1287						•
_	- 1.5" CRT (EVF) M04KYS07WB ● 5,0			• 5,000	hours by	the Opera	ation time	

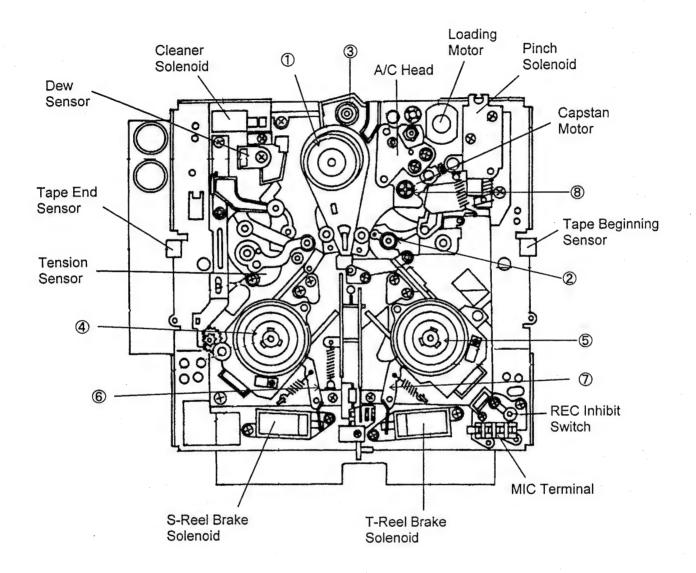
Note: Using Hours are based on the Drum Rotation hours.

Using hours are recommendation. It may depend on temperature, humidity or dusty.

Using hours are listed as the reference of maintenance. They do not mean guarantee hours.

- ©: These parts included in Mech. Chassis Unit. Replacing Mech. Chassis Unit is recommended.
- ■: The lubrication is necessary when replacing the Pinch Arm Unit.
- Δ: This mark means cleaning is necessary.
- ▲: The lubrication is necessary when replacing the Thrust Screw Unit.

Parts Location

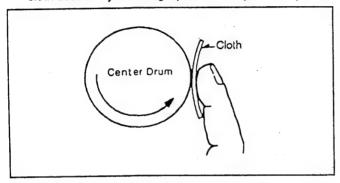


Cleaning Procedures

Make sure the power is OFF before cleaning. Use ethanol (more than 99%) as cleaning liquid.

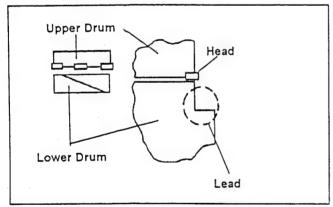
1. Cleaning of Head Chips (Daily)

Clean heads by applying even pressure and rotating cylinder a few times. Never wipe in up and down motion. Never touch a cylinder by naked hand. First wipe with a cloth soaked by cleaning liquid. Then wipe with dry cloth.



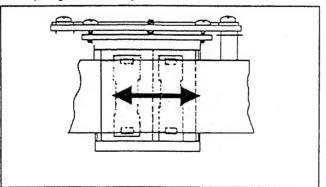
2. Cleaning of Drum Lead (Weekly)

Be careful not touch a head chip. Clean the drum lead with a pick



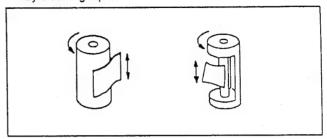
3. Cleaning of A/C Head (Weekly)

Wipe the A/C head with a cloth soaked by cleaning liquid. Wipe again with a dry cloth.



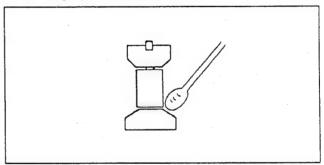
4. Cleaning of Pinch Roller and Capstan (Weekly)

Wipe the Pinch Roller and Capstan with a cloth soaked by cleaning liquid.



5. Cleaning of Post (weekly)

Wind a cloth on a pick. Wipe each post dry with that pick. Wipe again with a dry cloth. For metal posts wipe with cleaning liquid. Then wipe dry again.



Mechanical Parts Replacement and Adjustment Procedures

General

When mechanical parts are replaced, pay attention to the following notes.

- 1. Turn power off before replacing any part.
- 2. If any adjustment is required after replacing parts, perform the required adjustments.
- 3. Use proper fixture tools.
- Make sure to clean the parts after replacement,
 Also when the mechanical parts are replaced,
 follow the replacement procedure.

1. Drum Unit Replacement

(Removal of Mechanism Unit)

Refer to the "Section 2. Disassembly procedures" Item 1 to 6 and remove the mechanism unit and the Servo C.B.A.

(Removal of Cylinder Unit)

- Remove the T1 Guide and Cleaning Arm Unit (Refer to item 12).
- Disconnect P3001, P613 on the Servo C.B.A. and hold the top of the Drum unit then remove 3 screws and carefully pull out the Drum unit with care not to scratch the flexible cables.

Note: Be careful when removing the flexible cable from the connector. Refer to the way to remove the connector as shown in Figure M1.

Note: Never touch the cylinder with a finger directly when pulling out the Drum unit.

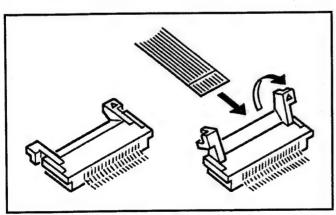


Fig. M1

(Installation)

- 1. Install the new Drum Unit according to the opposite procedures to removing.
- 2. After installing T1 Guide, T1 Guide position adjustment should be performed (Refer to item 12-1).

Note: When installing the Drum Unit, the pin on Mech.
Chassis should match hole of Drum Unit as shown in Figure M2.

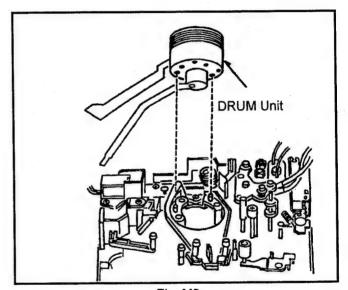


Fig. M2

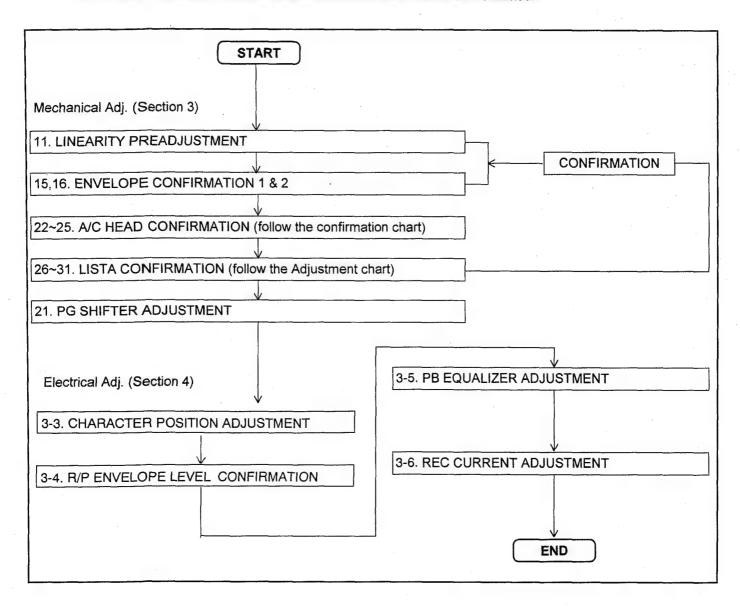
1-1. Adjustment Flow Chart After Drum Unit Replacement

 After changing the Drum Unit, perform the following steps.

Adjustment Flowchart After Drum Unit & Mech. Chassis Replacement

Note: Confirm the tape path linearity before head replacement.

The number indicated on the chart below is item number on the Service Manual.



2. A/C Head Replacement

2-1. Replacement

※ Required tools: Nut Driver (5.5m/m)(VFK1150) Hex Driver (VFK1148) Hex Wrench (VFK1190)

(Removal)

- Remove the Cassette Cover, Left Side Panel and the Cassette Up Unit.
- Loosen the hex. screw (B) and remove the Nut (C).
 Pick up the Head Height Adjustment Spring and
 then remove the A/C Head Unit as shown in
 Figure M5.

Point: Memorize the height of Nut (C) before removing the Nut (C).

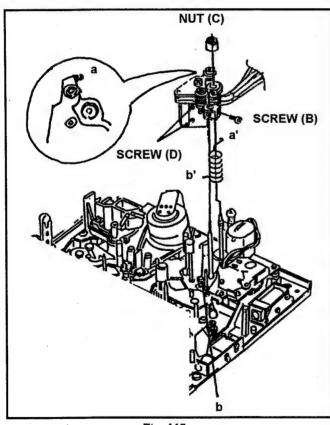


Fig. M5

 Remove the 2 screws (A). Disconnect the connector P1005 on the Rear Jack C.B.A. and P600 on the Servo C.B.A. and then remove the A/C Head from the A/C Head Plate.

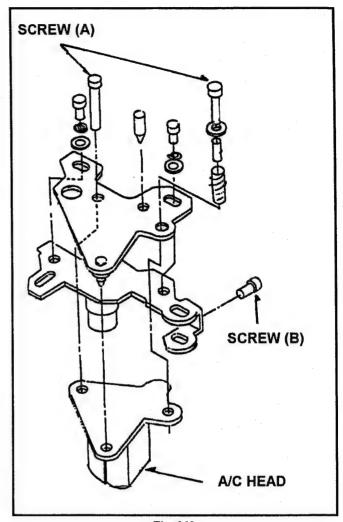


Fig. M6

- 5. Remove 2 screws (D) to remove the Shield Cover as shown in Figure M5.
- 6. Unsolder the lead wires one by one. (Don't unsolder all wires at the same time.)

(Installation)

- Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head (Refer to Figure M7).
- 2. Re-install the shield case to A/C Head.
- Install the A/C Head to A/C Head Plate and tighten
 screws (A) so that A/C Head is parallel to A/C Head Plate.
- 4. Install the A/C Head Unit.
- 5. Put on the Head Height Adjustment Spring and tighten the Nut (C).
- 6. Clean the surface of the A/C Head.

Note: After installing, Mechanical and Electrical Adjustments should be performed.

The hex screw (B) is kept loose until the A/C Head Height Adjustment is completed.

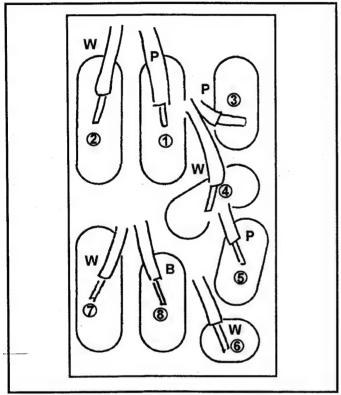
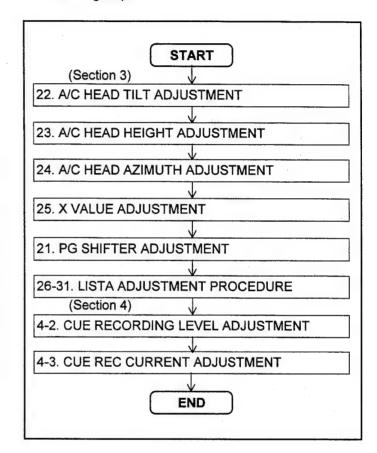


Fig.M7 Connection of A/C Head

A/C Head Side	Cable	e Color	Connector No.
1	PINK	YELLOW	
2	WHITE		
3	PINK	RED	P1005
4	WHITE		
5	PINK	GREEN	
6	WHITE		
7	WHITE	YELLOW	P600
8	BLACK		

2-2. Adjustment Flowchart After A/C Head Replacement

1. After replacing the A/C Head, perform the following steps.



3. Reel Table Replacement

3-1. Supply Reel Rotor Unit Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P614 on the Servo C.B.A..
- Turn the Emergency Gear until S1 Post moved center loading position and remove the S5 Post (Refer to item 14).
- Pull up the Arm Return Spring on the Connection Arm Angle Side and disconnect the Connection Arm Angle.
- 5. Unscrew the 2 screws (C) to remove the Supply Reel Stopper as shown in Figure M8.
- Push the Reel Table to middle position and unscrew the 2 screws (D) to remove the Supply Reel Rotor Unit as shown in Figure M8.
- Remove the 2 Cut Washers to remove the Idler Arm Unit.

3-2. Take Up Reel Rotor Unit Replacement

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P615 on the Servo C.B.A.
- 3. Unscrews the 2 screws (E) ,and then remove the Take Up Reel Stopper.
- Push the Reel Table to middle position and unscrew the 2 screws (F) to remove the Take Up Reel Rotor Unit as shown in Figure M8.

CAUTION: Don't touch FG portion with the magnetized screw driver.

(Installation for both unit)

- Install the new Reel Rotor Unit according to the opposite procedures to removing.
- Adjust the "4. Reel Torque Adj." and confirm "2.
 Main Brake Torque" in the Section 3.

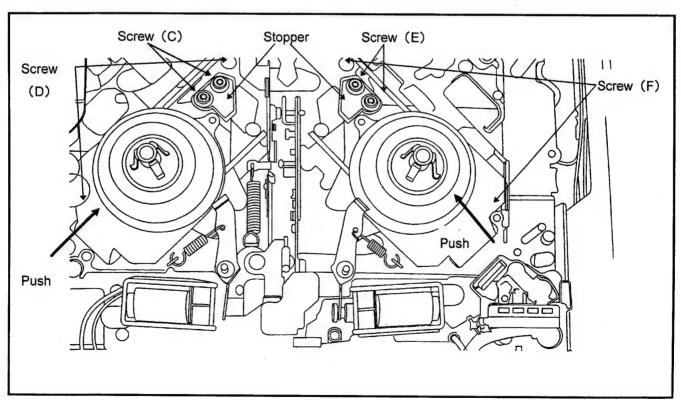


Fig. M8

4. Pinch Solenoid Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P610 on the Servo C.B.A.
- 3. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in Figure M9.
- 4. Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle.
- 5. Unscrew the 2 screws (C) and remove the Pinch Solenoid from the Pinch Solenoid Base.

(Installation)

- Install the new Pinch Solenoid according to the opposite procedures to removing.
- After installing, Pinch Solenoid Position Adjustment is required. (Refer to "1. Pinch Solenoid Adj." in the Section 3).

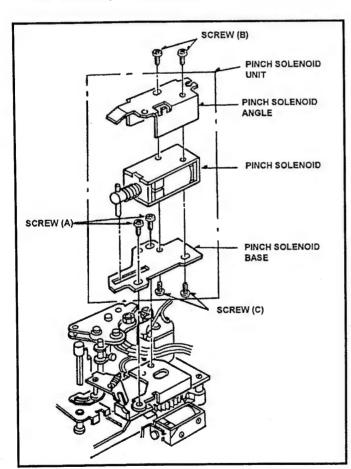


Fig. M9

5. Pinch Arm Unit Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- 2. Remove the Pinch Solenoid Unit (Refer to item 4).
- 3. Remove the cut washer (A) to remove the Pinch Solenoid Lever as shown in Figure M10.
- 4. Remove the cut washer (B) to remove the Pinch Arm Unit as shown in Figure M10.

(Installation)

- Install the new Pinch Arm Unit according to the opposite procedures to removing.
- After installing, Pinch Solenoid Position Adjustment is required. (Refer to "1. Pinch Solenoid Adj." in the Section 3).

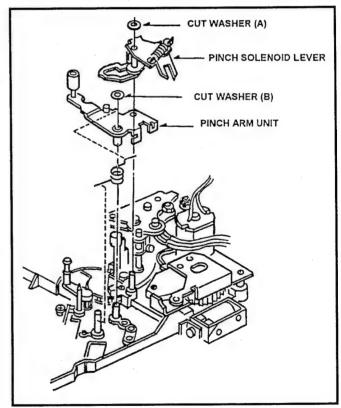


Fig. M10

6. Loading Motor Unit Replacement

(Removal)

- 1. Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- 2. Disconnect the connector P611 on the Servo
- 3. Remove the Pinch Solenoid and Pinch Solenoid Lever. (Refer to item 4 & 5).
- 4. Unscrew the screw (B) to remove the Emergency Shaft as shown in Figure M11.
- 5. Unscrew the 2 screws (C) to remove the Loading Motor Neutral Unit as shown in Figure M11.
- 6. Unscrew the 2 screws (D) to remove the Loading Motor Unit as shown in Figure M11.

(Installation)

- 1. Install the new Loading Motor Unit according to the opposite procedures to removing.
- 2. Install the Pinch Solenoid Unit. After installing, Pinch Solenoid Position Adjustment is required. (Refer to "1. Pinch Solenoid Adj." in the Section 3).

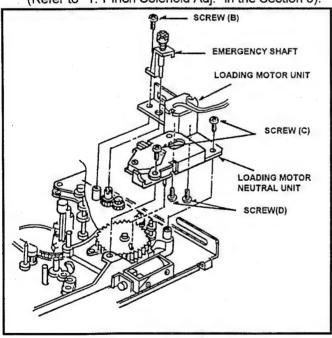


Fig. M11

7. Mode Select Switch Unit Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P612 on the Servo C.B.A.
- Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit (Refer to item 4 to 6).
- Remove the screw (D) to remove the Mode Select Switch Unit from Loading Motor Neutral Unit as shown in Figure M12.

(Installation)

 Install the New Mode Select Switch Unit according to the opposite procedures to removing.

Note: Confirm that the pin of Mode Switch Unit matches groove of Main Cam Gear.

 After installing, Pinch Solenoid Position Adjustment is required. (Refer to "1. Pinch Solenoid Adj." in the Section 3).

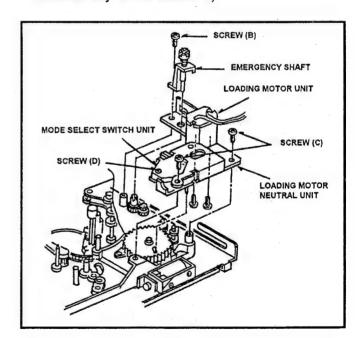


Fig. M12

8. Main Cam Gear Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Remove the Pinch Solenoid Unit and Loading Motor Neutral Unit (Refer to item 4 to 6).
- Remove the Main Cam Gear as shown in Figure M13.

(Installation)

- Install the Main Cam Gear so that the pin of Main Cam Arm Unit (※) matches the groove position of Main Cam Gear as shown in Figure M13.
- 2. Follow the opposite procedures to removing.
- After installing, Pinch Solenoid Position Adjustment is required. (Refer to "1. Pinch Solenoid Adj." in the Section 3).

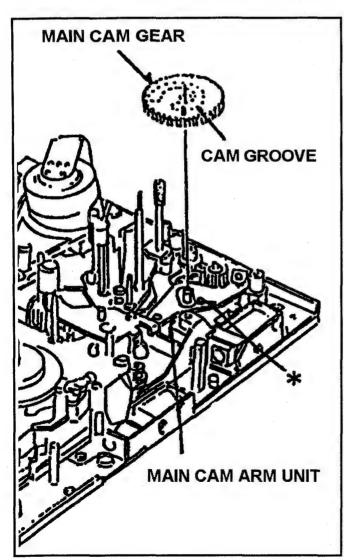


Fig. M13

9. Brake Arm & Brake Solenoid Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connectors P605, P608 on Servo C.B.A..
- Unscrew the 2 screws (A) to remove the Supply Brake Solenoid and unscrew the screw (B) to remove the Solenoid base as shown in Figure M14
- Remove the cut washer (C) to remove the Supply Brake Arm.
- Unscrew the 2 screws (D) to remove the Take Up Brake Solenoid and unscrew the screw (E) to remove the Solenoid base as shown in Figure M14.
- Remove the cut washer (F) to remove the Take Up Arm.

(Installation)

 Install the new cassette Brake Base Unit according to the opposite procedures to removing.

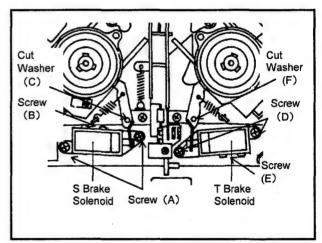


Fig. M14

After installing, the Brake Solenoid Position Adjustment required (Refer to item 16 in this section).

10.MIC Base Unit Replacement

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P607 on the Servo C.B.A.
- Unscrew the 2 screws (A) and remove the MIC Base Unit as shown in Figure M15.

(Installation)

- Install the new MIC Base Unit according to the opposite procedures to removing.
- 2. Confirm that the M cassette touches to MIC Base Unit properly.

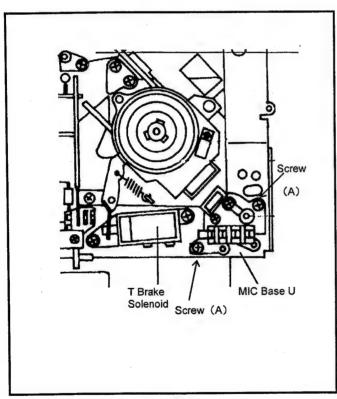


Fig. M15

11. S1 & T1 Post Loading Arm Unit Replacement and Adjustment

(Removal)

- Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- 2. Remove the Mechanism Chassis Unit and the Drum Unit.
- 3. Remove the T1 Guide and the Cleaning Arm Unit.
- Turn the Emergency Gear until middle loading position and unscrew the screw (D), (E) as shown in Figure M16.
- 5. Remove the S5 Stopper Base and the Tension Arm Unit. (Refer to item 14 & 15).
- 6. Unscrew the screw (A) and remove S1 Post from the Loading Rail as shown in Figure M16.
- 7. Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown in Figure M16.
- 8. Unscrew the screws (C), and remove the T1 Post from Loading Rail as shown in Figure M16.
- Remove the T1 Boat Unit from T1 Loading Arm Unit as shown in Figure M16.

(Installation)

- Install the new S1 or T1 Loading Arm Unit according to the opposite procedures to removing. Then S1 Post Loading Arm Unit Phase Adjustment should be performed.
- 2. After installing, confirm that the S1 and T1 Post moves smoothly on the Loading Rail.

(Adjustment)

- Adjust S1 Post Loading Arm Unit so that the hole

 (A) should match hole
 (B) as shown in Figure
- 2. When installing the T1 Boat Unit, the hole (A) should match hole (B) as shown in Figure M17.
- Tension Arm, Post Height Pre-Adjustment and Linearity Adjustment (Refer to the Section 3) should be performed.

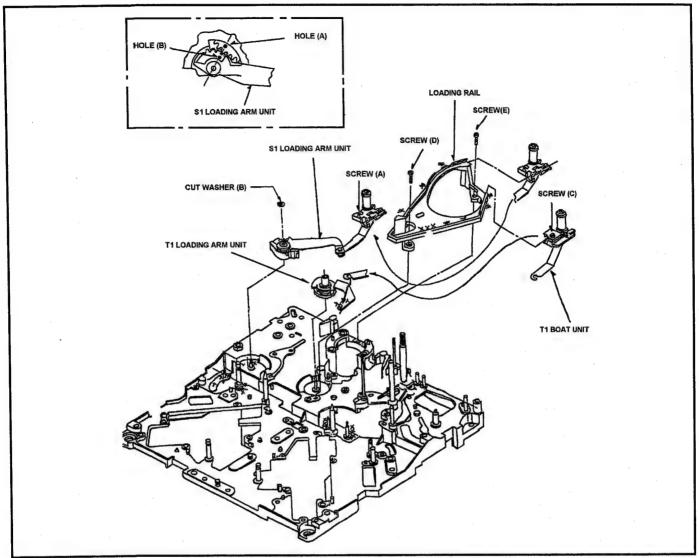


Fig. M16

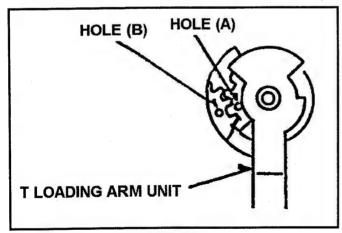


Fig. M17

12. Cleaning Arm Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- Unscrew the 2 screws (A) to remove the T1 Guide.
- Pick up the tip portion (B) of Cleaning Arm Unit and remove the spring from Cleaner Arm Unit. Then remove the Cleaning Arm Unit as shown in Figure M18.

(Installation)

- 1. Install the cleaning Arm Unit, then hang the spring on Cleaning Arm Unit.
- 2. Install the T1 Guide and tighten 2 screws (A).
- Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated when the cylinder is rotated by hand.
- 4. T1 Guide position adjustment should be performed.



Place the unit in Loading completion mode.

< How to Make the No Tape Loading >

- Set a black tube to TAPE LED sensor.
- Turn on the power and then the VTR begins loading without tape. And unplug DC input to the unit.
- Observe the clearance (B) between T1 Guide and T1 post as shown in Figure M19. And make sure that it is within 0.2 to 0.5mm.
- If not, loosen the 2 screws (A) and adjust the position of T1 Guide by moving to arrow direction (G ⇔ G) so that the clearance (B) is within specification. And tighten the 2 screws (A).

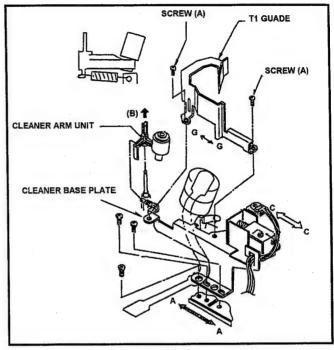


Fig. M18

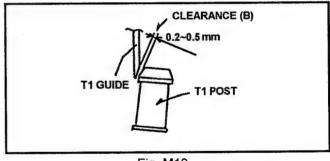


Fig. M19

13.Cleaner Solenoid Replacement and Adjustment

(Removal)

- 1. Remove the Cassette Cover, both Side Panel, Cassette Up Unit and open VTR MAIN C.B.A.
- Disconnect the connector P618 on the Servo C.B.A..
- Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure M20.
- Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure M20.

(Installation)

- Install the new Cleaner Solenoid according to the opposite procedures to removing.
- 2. After installing, Cleaner Solenoid Position adjustment should be performed as follows.

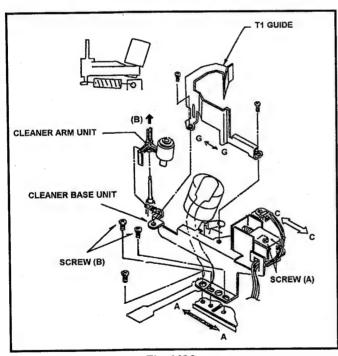


Fig. M20

13-1. Cleaner Solenoid Position Adjustment

- ※ Required Tools : Eccentric Driver (VFK0357)
- 1. Press the iron core of Cleaner Solenoid.
- Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure M21. And make sure that it is within 0.5 to 0.7mm.
- If not, loosen the 2 screws (A) and adjust the position of Cleaner Solenoid Unit by moving to arrow direction (C⇔C) with eccentric driver so that the clearance (D) is within specification. And tighten the 2 screws (A).
- 4. After adjustment, confirm as follows.
- Press the iron core of Cleaner Solenoid to release, and then return the Cleaning Roller to original position.
- Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller is rotated when the cylinder is rotated by hand.

Note: If removing the Cleaner Base Plate, Cleaner roller Position Adjustment should be performed.

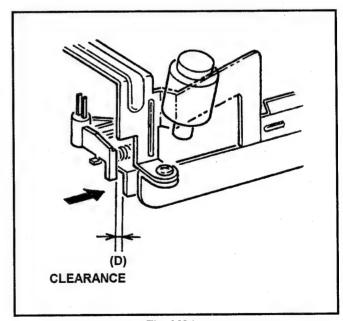


Fig. M21

13-2. Cleaner Roller Position Adjustment

- ※ Required Tools : Eccentric Driver (VFK0357)
- Observe the clearance (A) between Cleaner Roller and Cylinder Unit as shown in Figure M22.
 And make sure that it is within 1.0 to 1.2mm.
- If not, loosen the 2 screws (B) and adjust the position of Cleaner Base Plate by moving to arrow direction (A ⇔ A) with the Eccentric Driver so that the clearance (A) is within specification. And tighten the 2 screws (B).

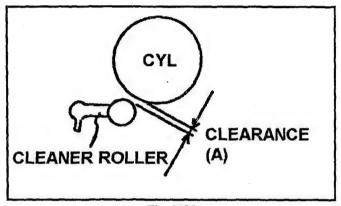


Fig. M22

14.S5 Post Base Unit Replacement

(Removal)

- 1. Remove the Cassette Up Unit
- Unscrew the screw (A) and remove the S5 Post Base Unit as shown in Figure M23.

(Installation)

- Install the S5 post Base Unit according to the opposite procedures to removing.
- 2. After installing, Post Height Pre-adjustment and Linearity Adjustment (Refer to the Section 3.) should be performed.

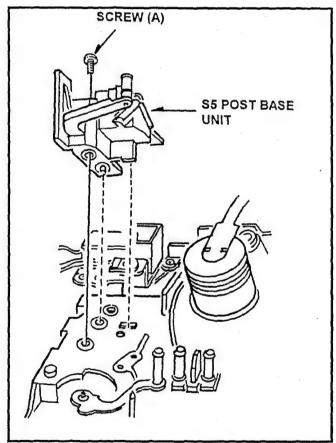


Fig. M23

15.Tension Arm Unit Replacement

(Removal)

- 1. Remove the Cassette Cover and Left Side Panel.
- 2. Remove the Cassette Up Unit.
- 3. Remove the Cut Washer (A) and pick up the Tension Reg. Spring Then remove the Tension Arm Unit as shown in Figure M24.

(Installation)

- Install the new Tension Arm Unit according to the opposite procedures to removing.
- 2. After installing, Tension Arm Adjustment should be performed as follows.

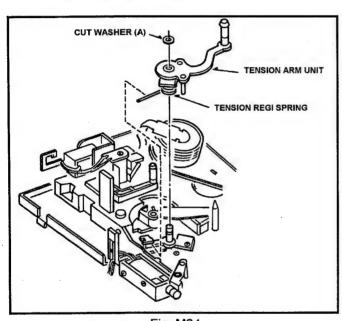
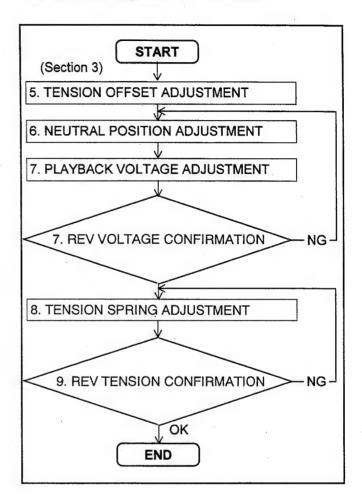


Fig. M24

Tension Arm Adjustment Flowchart



16.Brake Solenoid Position Adjustment.

- 1. Press the iron core of the Brake Solenoid.
- Loosen the 2 screws (A) for S-Brake Solenoid and adjust position of Solenoid unit by moving to slightly left or right so that the clearance (A) is within 0.8 ± 0.2 mm.

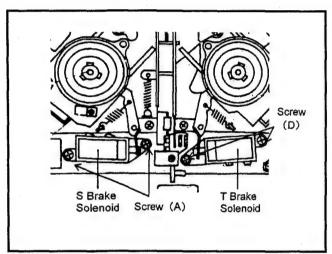
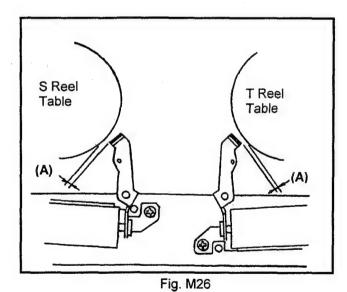


Fig. M25



17.Thrust Adjustment Screw Replacement

- 1. Remove the Thrust Adjustment Screw.
- 2. Enforce cleaning of point department of capstan shaft with an applicator.
- Put the oil (VFK0906) on a new Thrust Adjustment Screw, and install the upper end of the Capstan Housing.
- Turn the Thrust Adjustment Screw slowly to clockwise until the Capstan Rotor just starts turning (separate from the Capstan Rotor).
- 5. Turn the Thrust Adjustment Screw another an angle of 270° from 180° (about 225°) clockwise as shown in the Fig. M8.
- 6. Put the glue (Ex: Three Bond 1401B) on the Thrust Adjustment Screw.
- 7. Confirm whether the Oil Seal doesn't come in contact with the Capstan Housing.

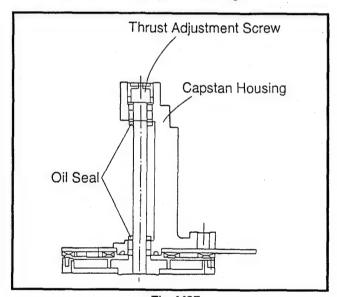


Fig. M27

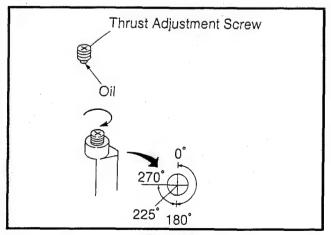


Fig. M28

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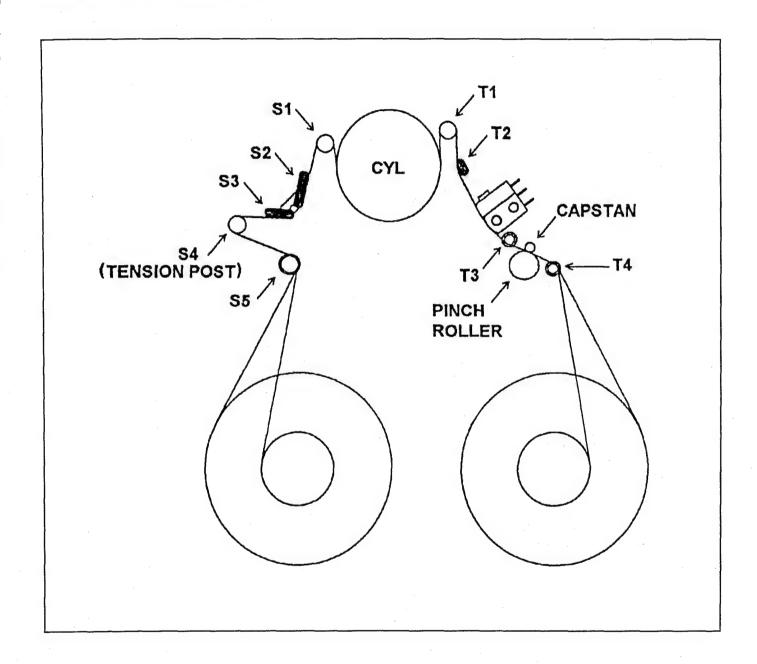
SECTION 3

MECHANICAL ADJUSTMENT

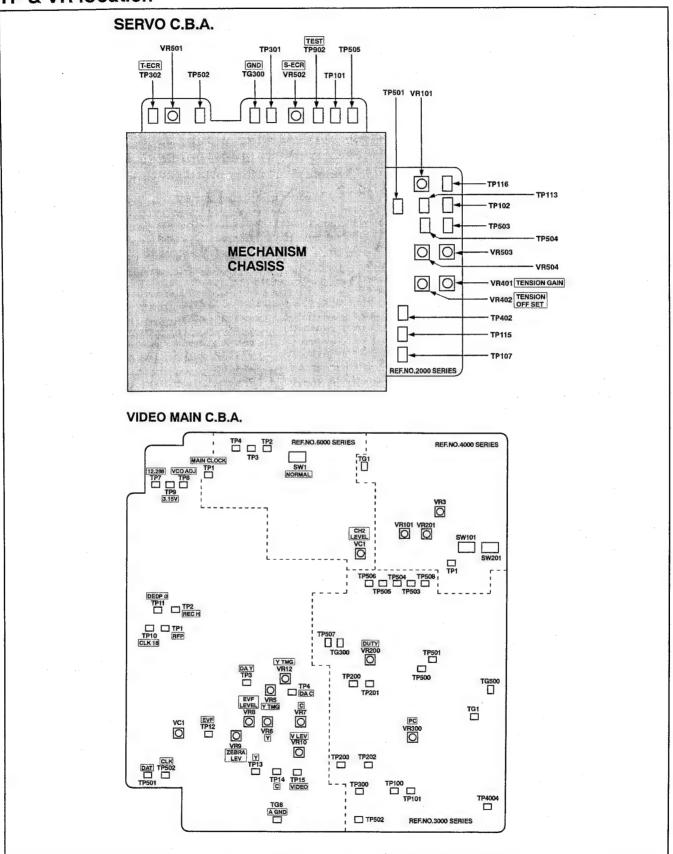
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Mechanical /Servo Adjustment Name of tape transportation



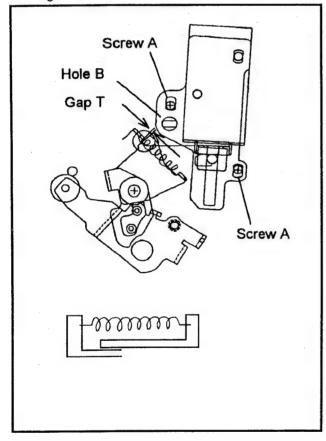
TP & VR location



1. Pinch Solenoid Adjustment

SPEC.	T = 0.3mm
TEST	Gap T
ADJUST	Screw A, Hole B
MODE	Eject(Power OFF)
TOOL	VFK0357

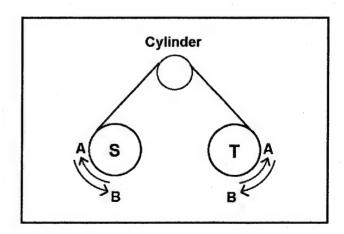
- 1. Confirm the power off.
- Push the pinch roller by hand to be close to capstan.
- 3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
- 4. Loosen the two screws A.
- Adjust the hole B so that gap T is within specification.
- 6. Tighten the two screws A.



2. Main Brake Torque Confirmation

SPEC.	Direction A : more than 100g Direction B : more than 20g
TEST	S Reel, T Reel
MODE	Eject(Power OFF)
TOOL	VFK71, VFK1191, VFK1152

- 1. Confirm the power off.
- 2. Remove the Cassette Up Unit.
- Install the adapter(VFK1152) to the torque gauge (VFK71).
- 4. Put the torque gauge on S Reel.
- Turn the torque gauge to direction A until S Reel slips against brake.
- 6. Confirm the torque is within specification.
- 7. Put the torque gauge on T Reel.
- Turn the torque gauge to direction A until T Reel slips against brake.
- 9. Confirm the torque is within specification.
- 10. Install the adapter(VFK1152) to the torque gauge (VFK1191).
- 11. Put the torque gauge on S Reel.
- 12. Turn the torque gauge to **direction B** until **S Reel** slips against brake.
- 13. Confirm the torque is within specification.
- 14. Put the torque gauge on T Reel.
- 15. Turn the torque gauge to **direction B** until **T Reel** slips against brake.
- 16. Confirm the torque is within specification.



3. Post Height Preadjustment

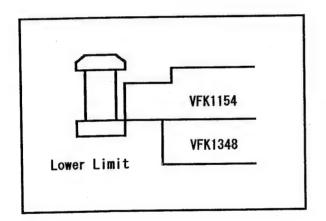
Mode	EJECT (Power OFF)	
Tool	VFK1348, VFK1154	

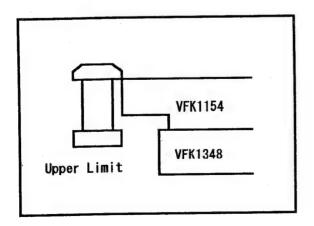
- Turn the power OFF and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- 2. Install the Mech. Neutral Plate and adjust each post height as shown in figure.

Note. Lower*: Turn S4 and S5 posts 1 round more counterclockwise from lower limit

position.

Doction		
Post	Limit	Post Driver
S4	Lower*	VFK1149
S5	Lower*	VFK1149
Т3	Lower	VFK1151 (2.5 mm Nut Driver)
T4	Lower	VFK1151 (2.5 mm Nut Driver)





4. Reel Torque Adjustment

BOARD	Servo
SPEC.	20±2mV
TEST	TP301(S), TP302(T), TG300 (GND)
ADJUST	VR501(T), VR502(S)
MODE	PLAY
M.EQ	Digital Volt Meter

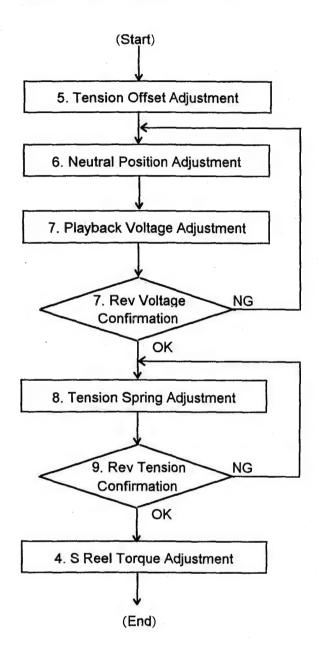
The S Reel Torque adjustment should be perform, after completed the "Tension Adjustment."

- Confirm the power off and make a short-circuit between TP116 and TP505.
- Turn the power ON and then set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Hold the S-Reel by hand and press the PLAY key.
- 4. Adjust the **VR502** so that the **TP301**(for S Reel) is within specification.
- 5. Hold the T-Reel by hand and press the PLAY key.
- Adjust the VR501 so that the TP302(for T Reel) is within specification.
- 7. Make a open-circuit between TP116 and TP505.

Note.

1. Make a tube* by yourself.

Tension Adjustment Flowchart



5. Tension Offset Adjustment

BOARD	Servo
SPEC.	2.5±0.05V
TEST	TP402
ADJUST	VR402
MODE	EJECT
M.EQ	Digital Volt Meter

 Adjust the VR402 so that the DC voltage at TP402 is within specification.

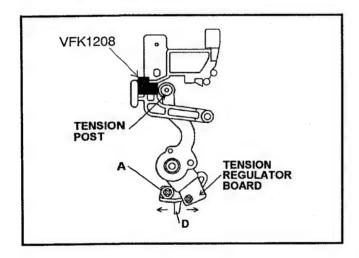
6. Neutral Position Adjustment

BOARD	Servo
SPEC.	2.5±0.1V
TEST	TP402
ADJUST	Sensor
MODE	STOP
TOOL	VFK1208
M.EQ	Digital Volt Meter

- 1. Remove the cassette up unit.
- 2. Set the tube* to cover the sensor LED and place the unit in on tape loading mode.
- Install the black spacer with hole (VFK1208) as shown in figure. Adjust the sensor position so that the TP402 voltage is within specification.
 To adjust, loosen the screw A and adjust the lever D.

Note.

1. Make a tube* by yourself.



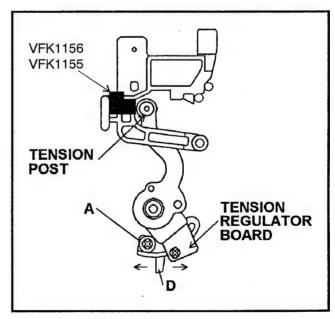
7. Play & Rev Tension Adjustment

BOARD	Servo
SPEC.	(PLAY)3.8±0.05V (REV) 1.2±0.3V
TEST	TP402
ADJUST	VR401
MODE	STOP
TOOL	VFK1156, VFK1155
M.EQ	Digital Volt Meter

- Set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Install the black spacer(VFK1156) as shown in figure. Adjust the VR401 so that the TP402 voltage is within specification(PLAY). To adjust, loosen the screw A and adjust the lever D.
- Install the gold spacer(VFK1155) instead of the black one. Confirm that the TP402 voltage is within specification(REV).

Note.

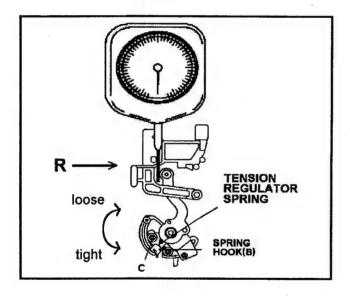
- 1. Make a tube* by yourself.
- In case that it is impossible to adjust within specification, readjust from Neutral Position Adjustment.



8. Tension Spring Adjustment

BOARD	Servo
SPEC.	11 ± 1 g
TEST	TP402
ADJUST	Spring hook(B)
MODE	STOP
TOOL	VFK1188
M.EQ	Digital Volt Meter

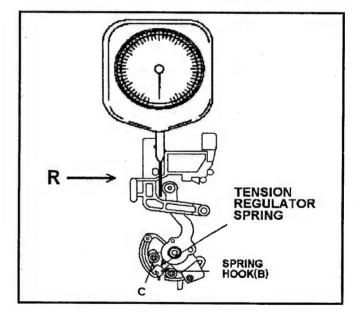
- 1. Remove the cassette up unit.
- Set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Insert the tension gauge to push the tension post to the direction R until the voltage at the TP402 is 3.8V(PLAY position).
- Adjust the position of hook(B) so that the indication of gauge is within specification. To adjust hook(B), loosen the screw (C).



9. REV Tension Confirmation

BOARD	Servo
SPEC.	18 ± 2 g
TEST	TP402
MODE	STOP
TOOL	VFK1188
M.EQ	Digital Volt meter

- 1. Set the tube* to cover the sensor LED and place the unit in no tape loading mode.
- Insert the tension gauge to push the tension post to the direction R until the voltage at the TP402 is 1.2V(REV position).
- Confirm that the indication of gauge is within specification. If not, make the Tension Spring Adjustment again.



Tape Path Adj. Flowchart

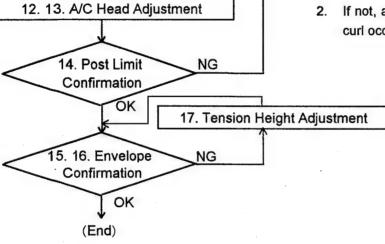
(Start) 10. T3 Post Height Adjustment

11. Linearity Preadjustment

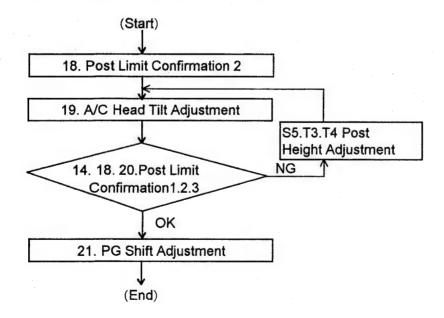
10. T3 Post Height Adjustment

SPEC.	No tape curl
ADJUST	T3 Post Height
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1151

- 1. Confirm that the tape has no curl at T3 post.
- 2. If not, adjust the **T3 post height** so that no tape curl occurs to the tape edge.



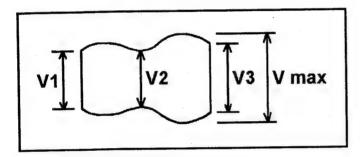
Post Limit Confirmation Flowchart



11. Linearity Preadjustment

, I. Ellication	
SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≧ 0.8
TEST	TP500(VTR MAIN Board)
ADJUST	S1, T1 Post Height
MODE	PLAY(ATF)
TAPE	VFM3680KL (No.1: 0~14min)
M.EQ	Oscilloscope
TOOL	VFK1149

- 1. Playback the alignment tape.
- Adjust the S1 and T1 posts so that the envelope output is within specification.



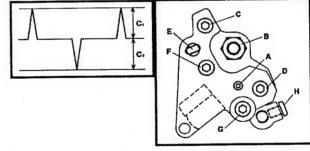
12. A/C Head Height Adjustment

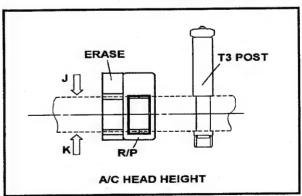
And the statement of th	
BOARD	Servo
SPEC.	CTL Output : C1, C2 ≧ 220 (mV)
TEST	TP107 : CTL Output
ADJUST	Screw B , H(A/C Head)
MODE	PLAY
TAPE	VFM3680KL (No.1: 0~14min)
M.EQ	Oscilloscope
TOOL	VFK1150, VFK1190

- 1. Monitor the TP107 on the Servo board.
- Press the tape to the direction J or K and confirm that the CTL output level is decreased.
- If direction J increases CTL output, loosen the screw H and adjust the screw B counterclockwise until CTL output is maximized.
- If direction K increases CTL output, loosen the screw H and adjust the screw B clockwise until CTL output is maximized.
- 5. After tightening the **screw H(2.0kg)**, confirm the level again.

Note.

 Adjust alternately with other A/C head adjustments(Azimuth, Height).





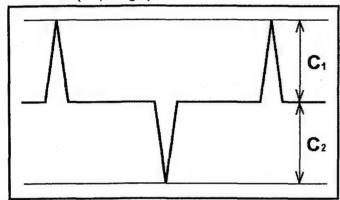
13. A/C Head Azimuth Adjustment

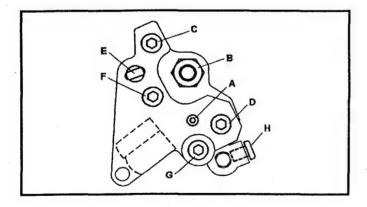
BOARD	Servo
SPEC.	CTL Output : C1, C2 = C1 max, C2 max
TEST	TP107 : CTL Output
ADJUST	Screw F(A/C Head)
MODE	PLAY
TAPE	VFM3680KL (No.1: 0~14min)
TOOL	VFK1148
M.EQ	Oscilloscope

Monitor the TP107 on the Servo Board and adjust the screw F so that the TP107 is maximized.

Note.

 Adjust alternately with other A/C head adjustments(Tilt, Height).





14. Post Limit Confirmation 1

SPEC.	Post limits shown in the table. No tape curl
MODE	PLAY
TAPE	VFM3680KL (No.1: 0~14min)
TOOL	VFK1149 VFK1151

Post Limit Table

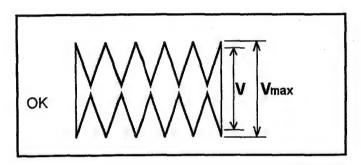
Post	Limit	Adjustment
S5 Post	Lower Limit or Free	S5 Post Height
S4 Post	Lower Limit	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Upper Limit	Linearity
T3 Post	Lower Limit	T3 Post Height
T4 Post	Lower Limit or Free	T4 Post Height

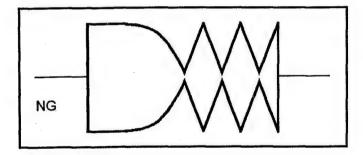
 Confirm the post limit of each post and adjust in case of need.

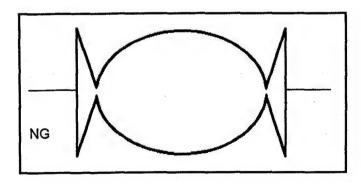
15. Envelope Confirmation 1

		_
SPEC.	V/Vmax ≧ 0.9	
TEST	TP500(VTR MAIN Board)	
MODE	FF, REW, REV(PLAY&REW)	
TAPE	VFM3680KL (No.1:0-14min)	
M.EQ	Oscilloscope	

- 1. Confirm the envelope in each mode.
- 2. If out of specification, adjust the **S4 post height** again.



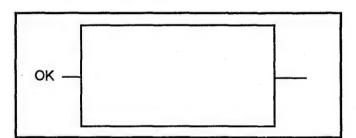


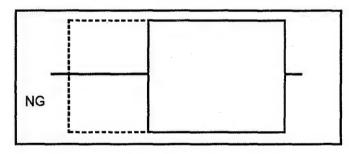


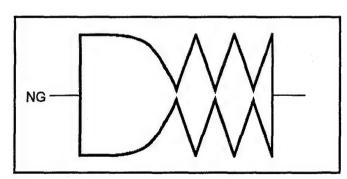
16. Envelope Confirmation 2

SPEC.	Envelope appears immediately.
TEST	TP500(VTR MAIN Board)
MODE	REW/REV(PLAY&REW) → PLAY FF → PLAY LOADING → PLAY
TAPE	VFM3680KL (No.1: 0~14min)
M.EQ	Oscilloscope

- Confirm that the envelope appears immediately when the mode is switched from REW to PLAY, from REV to PLAY, from FF to PLAY and from LOADING to PLAY.
- 2. If out of specification, adjust the **S4 post height** again.







17. Tension Height Adjustment

SPEC.	Envelope appears immediately.
TEST	TP500(VTR MAIN Board)
ADJUST	S1, T1, S4 Post
MODE	REW/REV(PLAY&REW) → PLAY FF → PLAY LOADING → PLAY
TAPE	VFM3680KL (No.1: 0~14min)
M.EQ	Oscilloscope

- * This adjustment must be done only when out of specification in Linearity Preadjustment, Envelope Confirmation1 or 2.
- Turn the S4 post 90 degrees counterclockwise and adjust S1 and T1 posts again.
- Confirm that the envelope appears immediately when the mode is switched from REW to PLAY, from REV to PLAY, from FF to PLAY and from LOADING to PLAY.
- 3. If out of specification, repeat 1. again. Do not turn the S4 post more than 360 degrees.

18. Post Limit Confirmation 2

SPEC.	Post limits shown in the table. No tape curl
MODE	REV(PLAY&REW)
TAPE	VFM3680KL (No.1: 0~14min)
TOOL	VFK1149
	VFK1151

Post Limit Table

Post	Limit	Adjustment
S5 Post	Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Free	Linearity
T3 Post	Lower Limit	T3 Post Height
T4 Post	Lower Limit	T4 Post Height

 Confirm the post limit of each post and adjust again in case of need.

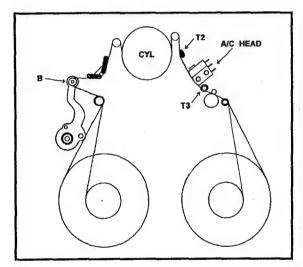
19. A/C Head Tilt Adjustment

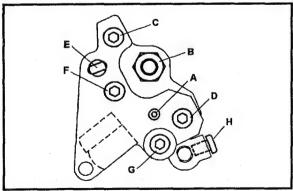
SPEC.	No tape curl, Lower limit at T3 post
ADJUST	Screws A and G (A/C Head)
MODE	PLAY
TAPE	Blank tape
TOOL	VFK1148, VFK1178

- Confirm that the screw (G) is tightened with 1.0kg of torque.
- Play back the tape and adjust the A/C head tilt with screw(A) so that the tape path has lower limit at T3 post.

Note.

- 1. Screw(A) : clockwise : Tape goes up at T3 post. counterclockwise : Tape goes down.
- The final touch of the adjustment must be turned clockwise.
- Adjust alternately with each A/C head adjustment(Azimuth, Height).





20. Post Limit Confirmation 3

SPEC.	Post limits shown in the table. No tape curi
MODE	FF, REW
TAPE	L cassette (beginning or ending portion) VFM3680KL (No.1: 0~14min)
TOOL	VFK1149 VFK1151

Post Limit Table

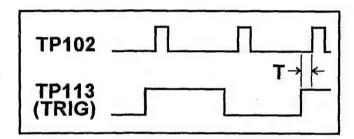
Post	Limit	Adjustment
S5 Post	Free	S5 Post Height
S4 Post	Lower Limit or Free	S4 Post Height
S1 Post	Upper Limit	Linearity
T1 Post	Free	Linearity
T3 Post	Free	T3 Post Height
T4 Post	Lower Limit or Free	T4 Post Height

- Confirm Post Limit Confirmation 1 and 2 playing back beginning or ending portion of L cassette.
- 2. Confirm the post limit of each post and adjust again in case of need.
- 3. If T3 post is adjusted, confirm that the tape has no curl at T3 post when loading or unloading.

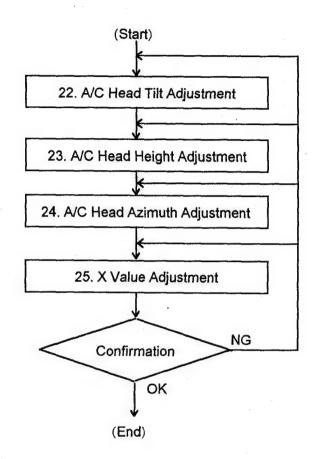
21. PG Shifter Adjustment

BOARD	Servo
SPEC.	126.3±2.5 μ s
TEST	TP113, TP102
ADJUST	VR101
MODE	PLAY
TAPE	VFM3680KL (No.1: 0~14min)
M.EQ	Oscilloscope

Adjust the VR101 so that the T is within specification. (Trigger: TP113).



A/C Head Adj. Flowchart



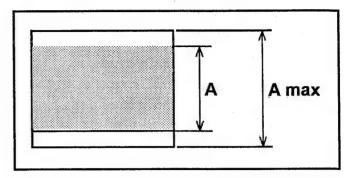
22. A/C Head Tilt Confirmation

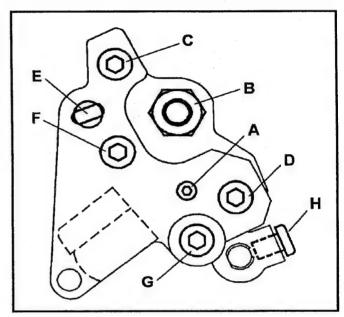
SPEC.	CUE Output : A/Amax ≥ 0.9
TEST	TP4004(VTR MAIN Board)
ADJUST	Screw A, G(A/C Head)
MODE	PLAY
TAPE	VFM3680KL (No.1: 14~22min)
TOOL	VFK1178, VFK1148
M.EQ	Oscilloscope

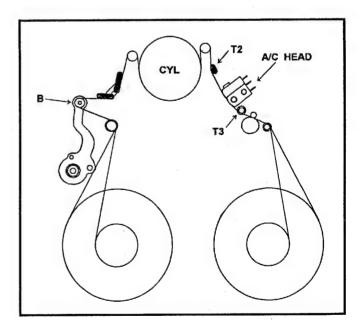
- Playback the CUE portion(6kHz) of the Alignment tape.
- Confirm that the screw G and H are not loosened.
- Vibrate the tension arm horizontally (B direction) and confirm that the output level (TP4004) is within specification.
- If out of specification, loosen the screw G and adjust the screw A, then tighten the screw G with 1.0kg torque

Note.

- The final touch of the adjustment must be turned clockwise. After the adjustment, confirm that the screw A is not loosened.
- 2. When the screw A is adjusted, make Post Limit Confirmation 1 again.

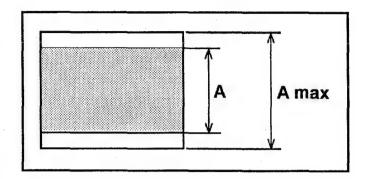




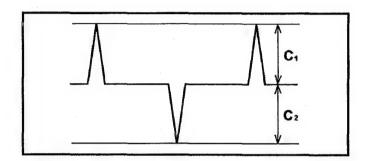


23. A/C Head Height Confirmation

SPEC.	CUE Output : A = A max CTL Output : C1, C2 ≧ 220mV
TEST	TP4004 (VTR MAIN Board) TP107 (Servo Board)
ADJUST	Screw B, H (A/C Head)
MODE	PLAY
TAPE	VFM3680KL (No.1: 14~22min)
TOOL	VFK1150, VFK1190
M.EQ	Oscilloscope

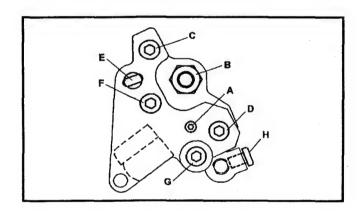


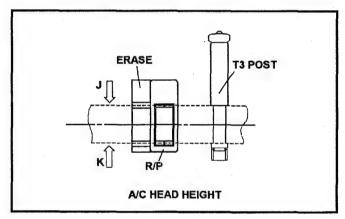
- 1. Confirm that the screw H is tightened.
- 2. Playback the CUE portion(6kHz) of the Alignment tape.
- 3. Push the tape to the direction J or K and confirm that the TP4004 level is not increased.
- 4. If it is increased, make "A/C Head Height Adjustment" again.



Note.

Adjust alternately with A/C Head Azimuth adjustments.

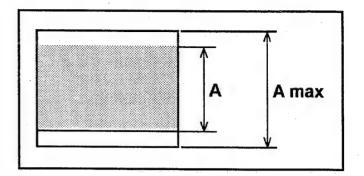


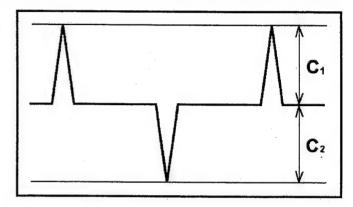


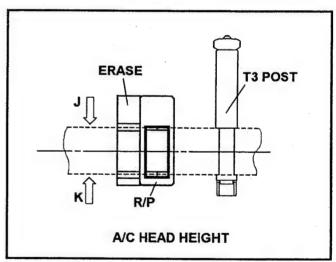
24. A/C Head Azimuth Confirmation

	toda / Elinati Oomininanon
SPEC.	CUE Output : A = A max CTL Output : C1, C2 ≧ 220mV
TEST	TP4004 (VRT MAIN Board) TP107 (Servo Board)
ADJUST	Screw F (A/C Head)
MODE	PLAY
TAPE	VFM3680KL (No.1: 14~22min)
TOOL	VFK1148
M.EQ	Oscilloscope

- Playback the CUE portion(6kHz) of the Alignment tape.
- 2. Push the tape to the direction J or K and confirm that the **TP4004** level is not increased.
- 3. If it is increased, make "A/C Head Azimuth Adjustment" again.



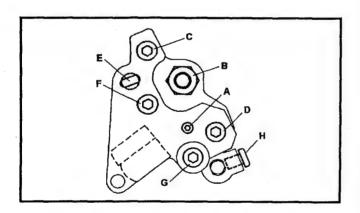


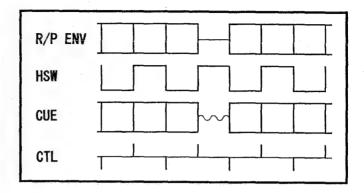


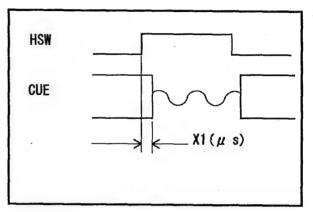
25. X Value Adjustment

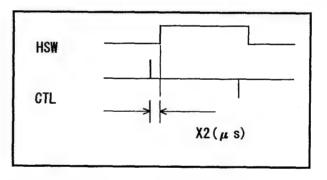
SPEC.	$-250\mu s$ ≤ X1, X2, X3 ≤ 250 μs
TEST	TP500 : R/P ENV (VTR MAIN Board) TP300 : HSW (VTR MAIN Board) TP4004 : CUE (VTR MAIN Board) TP107 : CTL (Servo Board)
ADJUST	A/C Head
MODE	PLAY(ATF control)
TAPE	VFM3682KL (X Value)
TOOL	VFK0357, Hex Wrench
M.EQ	Oscilloscope

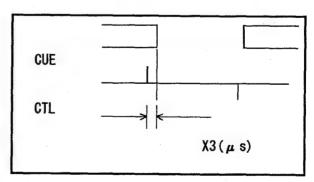
- Adjust A/C Head Azimuth so that the CTL and lack part of CUE are match in the phase.
- Confirm the lack track of R/P envelope and select the HSW correspond with it (The lack track corresponds to Lch(HSW: High)).
- 3. Adjust CUE phase (X Value) so that the lack part of CUE and selected HSW are match in the phase. To adjust X Value, loosen the screws C and D. Adjust the hole E and then tighten the screws C and D with 2.5kg torque.
- Adjust the Azimuth at the same time so that the relation between the CTL and CUE is kept.
- Confirm that X1, X2 and X3 are within specification.



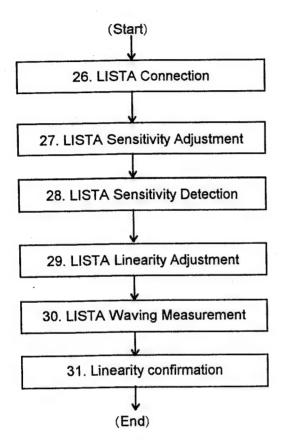








Linearity Adjustment Flowchart



26. LISTA Connection

BOARD	
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
TAPE	VFM3681KL (No.2 : LISTA master)
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902 and TP116.
- Connect LISTA cable between A/D board and the test points as shown in table above.
- Execute LISTA * * E.EXE. (* * is a software version.)
- 4. Select "<2>AJ-D700" menu in the LISTA menu.
- Select the number of the alignment tape. If the alignment tape data is not entered, input the data written on the enclosed paper into PC manually.

Linearity monitor system of track
using ATF error signal for DVCPRO
-- LISTA PRO -PC-AT Ver.1.0
<<AJ-D700>>

<1>Sensitivity Measurement[---mV/um]

<2>Linearity Measurement

<3>Data Save / Load

[C:\LISTA]

<4>Alignment Tape

[0000000]

<5>Peak Hold Setting

[30sec]

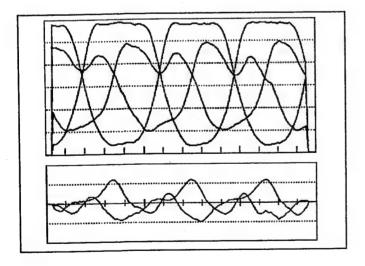
<6>ATF Error Signal Monitor

<7>Quit

27. LISTA Sensitivity Adjustment

BOARD	Servo
SPEC.	Sensitivity : 100 ± 10 (mV/μm)
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	ATF Gain (EVR)
MODE	+1.2% Playback
TAPE	VFM3681KL (No.2 : LISTA master)
M.EQ	LISTA, EVR

- 1. Set up the EVR tool according to Connection figure at the beginning of Electrical Adjustments.
- 2. Confirm that the power is turned off and make a short-circuit between **TP902** and **TP116** to place the unit in +1.2% Playback mode.
- 3. Playback an alignment tape.
- Select <6>ATF Error Signal Monitor menu and display the sensitivity data.
- Press the [→] or [←] key in PC so that the sensitivity value which is described as Sens. Value is within specification.
- After the adjustment, press ESC key to exit to the menu.



28. LISTA Sensitivity Detection

BOARD	Servo
SPEC.	Sensitivity : 100 ± 10 (mV/μm)
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
MODE	+1.2% Playback
TAPE	VFM3681KL (No.2 : LISTA master)
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902 and TP116 to place the unit in +1.2% Playback mode.
- 2. Playback an alignment tape.
- Select <1>Sensitivity Measurement menu and start the sensitivity detection.
- 4. Confirm that the sensitivity value is within specification.
- 5. If out of specification, repeat the steps 3 and 4.
- If still out of specification, make "LISTA Sensitivity Adjustment again.

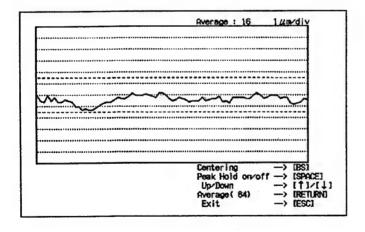
29. LISTA Linearity Adjustment

	The second secon
BOARD	Servo
SPEC.	Linearity : Less than 3μm
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	S1, T1 Post Height
MODE	LISTA mode
TAPE	VFM3681KL (No.2 : LISTA master)
TOOL	VFK1149
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902, TP116 and TP101 to place the unit in LISTA mode.
- 2. Playback an alignment tape.
- Select <2>Linearity Measurement menu, and display the linearity.
- 4. Adjust the S1 post height and T1 post height so that the linearity is within specification.

Note.

- 1. Lower part of the monitor shows the lead.
- 2. Current linearity is red line.



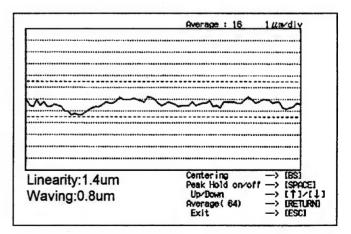
30. LISTA Waving Measurement

BOARD	Servo
SPEC.	Waving : Less than 1.5µm
TEST	TP115 : ATF Error (Servo Board) TP113 : HSW_R (Servo Board) TG300 : GND (Servo Board)
ADJUST	S1, T1 Post Height
MODE	LISTA mode
TAPE	VFM3681KL (No.2 : LISTA master)
TOOL	VFK1149
M.EQ	LISTA

- Confirm that the power is turned off and make a short-circuit between TP902, TP116 and TP101 to place the unit in LISTA mode.
- 2. Playback an alignment tape.
- Select <2>Linearity Measurement menu, and display the linearity.
- After linearity is displayed, press the SPACE key to hold the peak (Peak-Hold) during 30 seconds.
- After Peak-Hold, press the SHIFT key and } key together to display the measurement value and confirm that the value is within specification.
- After the adjustment, press ESC key to exit to the menu.

Note.

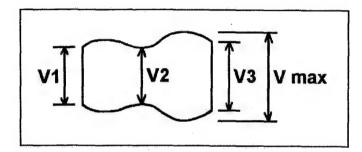
- Confirm that waving value is almost same from the entrance to the exit.
- 2. If out of specification because of wrong post limits, adjust the S1 and T1 posts again.



31. Linearity Confirmation

SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8
TEST	TP500(VTR MAIN Board)
MODE	PLAY(ATF)
TAPE	Blank Tape
TOOL	VFK1149
M.EQ	Oscilloscope

- 1. Record the color bar signal.
- 2. Play back the recorded portion and confirm that the envelope output is within specification.



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1. POWER

1-1. DC Voltage Adjustment

ITEM	TEST	ADJUST	SPEC.
3.15V ADJ.	* TP9	VR5	3.15+0.05V/
	/ TG300		-0.00V
3.6V ADJ.	TP4	VR3	3.6±0.05V
5.0V ADJ.	TP5	VR2	5.0±0.05V
5.6V ADJ.	ТР3	VR1	5.6±0.05V
-5.6V ADJ.	TP8	VR6	-5.6±0.51V
9.0V ADJ.	TP6	VR4	9.0±0.05V
48V Confirm	TP9		44.0±4.0V

Note:

*The test point of 3.15V adjustment is on the MAIN C.B.A., other TP and VR are on the POWER C.B.A. (GND: TP2)

<< PC-EVR Operation >>

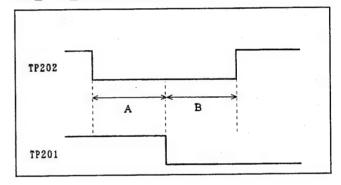
- 1. Select Start Adjustment D223 and press Enter.
- 2. Select "PAL" and press Enter.
- 3. Press F1 (File) key.
- Select "HD Read" on * Auto File and press Enter.
- Select adjustment item of Sub Title on < Select
 File to Read >.
- Press "F5 (Mode)" key and set "1 Step or All Steps" mode.
- 7. Select adjustment item by ↑ or ↓ key and press Enter.
- Adjust value by ↑ or ↓ key at < Interactive
 Adjustment > window.
- 9. Press Enter to Exit from above window.

2. PRE-SHUFFLE

2-1. PLL POS. Adjustment

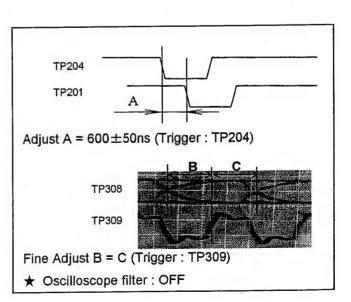
BOARD	PRE-SHUFFLE
TEST	TP201, TP202
ADJUST	PC-EVR: PLL_POS1_PAL
MODE	EE
TAPE	
M.EQ	Oscilloscope
SPEC.	B = A ± 10%

Select PC-EVR " VIDEO ADJUSTMENT 1 " ⇒ "1.
PLL_POS_ADJUSTMENT".



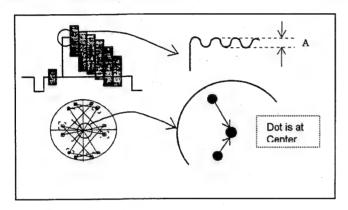
2-2. INH POS. Adjustment

BOARD	PRE-SHUFFLE
TEST	TP201, TP204, TP308, TP309
ADJUST	VR201
MODE	EE
TAPE	
M.EQ	Oscilloscope
SPEC.	A = 600 ± 50ns, B = C



2-3. Carrier Balance Adjustment

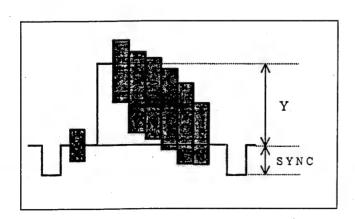
BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VR609 (PR), VR610 (PB)
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	WFM, Vector Scope
SPEC.	A ≦ 10mVp-p



2-4. Video & SYNC Level Adjustment

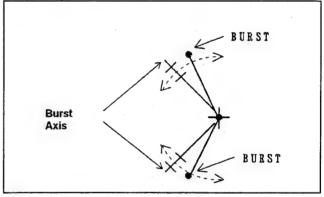
BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	PC-EVR: Y_LEVEL
	VR602 (SYNC)
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	Oscilloscope or WFM
SPEC.	$Y = 700 \pm 15 \text{mVp-p}$
	SYNC = 300 ± 4 mVp-p

Select PC-EVR " VIDEO ADJUSTMENT 1 " ⇒ "2. Y_LEVEL_ADJUSTMENT", And SYNC Level adjust by VR602.



2-5. Burst Phase Adjustment

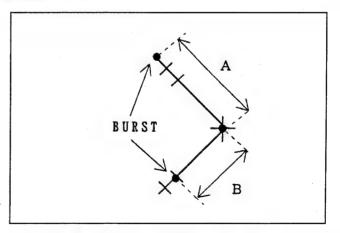
BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VR608
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	Vector Scope
SPEC.	Vector Scale (see below)



Adjust the both Burst phase align to the Burst Axis of the Vector Scope.

2-6. QUAD Adjustment

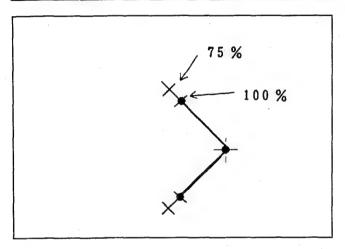
BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VC601
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	Vector Scope
SPEC.	A = B



Adjust the Burst level A and B are same level.

2-7. Burst Level Adjustment

BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VR607
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	Vector Scope
SPEC.	Burst Level = 100% Scale



2-8. Chroma Level Adjustment

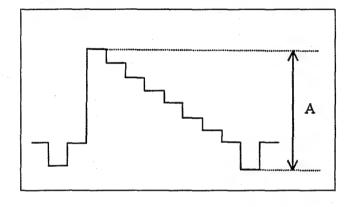
BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VR604 (PB)
	PC-EVR: C_LEVEL (PR)
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	Vector Scope
SPEC.	

Select PC-EVR " VIDEO ADJUSTMENT 1 " ⇒ "3. CHROMA_ADJUSTMENT(PR_LEVEL) ".

Adjust PR level by PC-EVR first and PB level by VR so that Red dot Becomes into center of square mark on the Vector Scope. And confirm other colour dot on the each square marks.

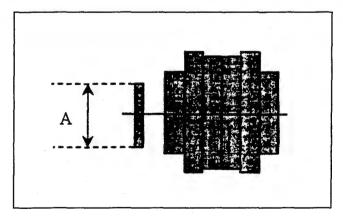
2-9. Y Out Level Adjustment

BOARD	PRE-SHUFFLE
TEST	S-VIDEO (Y out)
ADJUST	VR802
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	WFM or Oscilloscope
SPEC.	A = 1.00 ± 0.02Vp-p



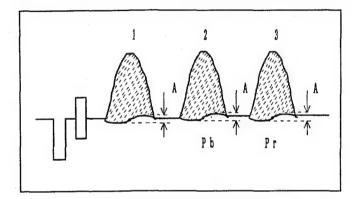
2-10. C Out Level Adjustment

BOARD	PRE-SHUFFLE
TEST	S-VIDEO (C out)
ADJUST	VR803
MODE	PLAY
TAPE	VFM3680KL (Color Bar)
M.EQ	WFM or Oscilloscope
SPEC.	A = 300 ± 6mVp-p



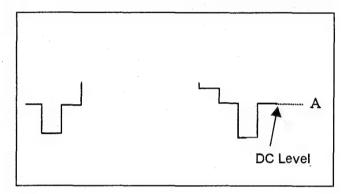
2-11. Y/C Timing Adjustment

BOARD	PRE-SHUFFLE
TEST	VIDEO out
ADJUST	VR603 (PB), VR605 (PR)
MODE	PLAY
TAPE	VFM3680KL (Pulse & Bar)
M.EQ	WFM or Oscilloscope
SPEC.	A = Minimize



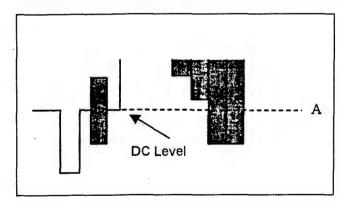
2-13. Y Out DC Adjustment

BOARD	PRE-SHUFFLE
TEST	TP802
ADJUST	VR801
MODE	EE
TAPE	
M.EQ	Oscilloscope
SPEC.	A = 0 ± 0.02V



2-12. Video Out DC Adjustment

BOARD	PRE-SHUFFLE
TEST	TP804
ADJUST	VR804
MODE	EE
TAPE	
M.EQ	Oscilloscope
SPEC.	$A = 0 \pm 0.02V$

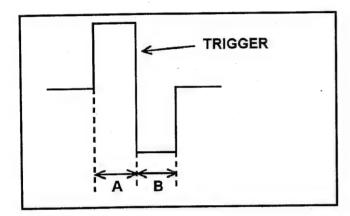


3. VIDEO / RF

3-1. AUDIO VCO Adjustment

BOARD	MAIN
TEST	TP8
ADJUST	PC-EVR: AUDIO_VCO=
MODE	EE
TAPE	
M.EQ	Oscilloscope
SPEC.	A = B ±5%

Select PC-EVR " VIDEO ADJUSTMENT 2 " ⇒ " 1 AUDIO_VCO ".

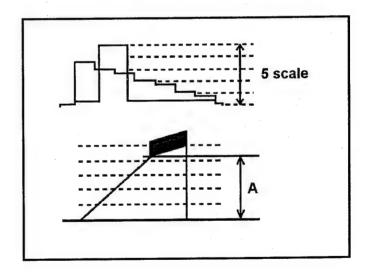


3-2. ZEBRA Adjustment

BOARD	MAIN
TEST	TP12
ADJUST	PC-EVR
MODE	PALY & EE
TAPE	VFM3680KL (Color Bar)
M.EQ	Oscilloscope
SPEC.	4.25±0.15 CRT scale

Select PC-EVR " VIDEO ADJUSTMENT 2 " ⇒ " 2. ZEBRA ADJUSTMENT ".

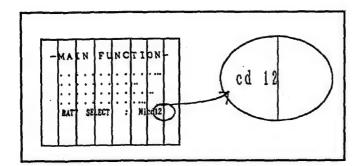
- 1. Playback the alignment tape and set TP12 (Y level) to 5 scales of the oscilloscope by CAL.
- 2. Select "OUTPUT=RAMP" command and press Enter, the unit will change Ramp signal mode.
- 3. Adjust PC-EVR (ZEBRA=) so that A level becomes 4.25 scale level of the oscilloscope.
- 4. After completed this adjustmet, make sure select "OUTPUT=CAM" to back camera signal mode.



3-3. Character Position Adjustment

BOARD	MAIN
TEST	VIEW FINDER CRT
ADJUST	VC1
MODE	EE
TAPE	
M.EQ	
SPEC.	See below

- 1. Set the CAM/BAR switch to BAR side.
- Adjust VC1 (VC6001) so that right edge of character comes as below position.



<RF Adjustment Preparation>

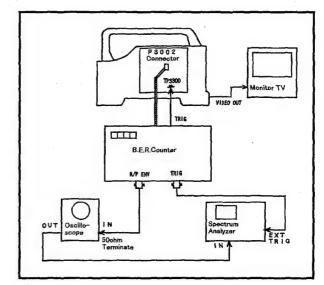
Spectrum Analyzer setting

START FREQ.: 0Hz
STOP FREQ.: 25Hz
RES BW: 300KHz
VIDEO BW: 1KHz
SWEEP TIME: 75ms

dB/div : 2dE

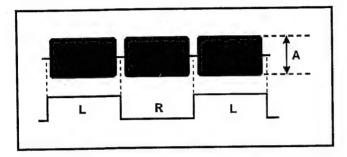
REF LEVEL : -42dB (Oscilloscope: 20mV)

TRIG : EXT (TP3300)



3-4. R/P Envelope Confirmation

BOARD	VTR MAIN
TEST	R/P Envelope, TP3300
ADJUST	
MODE	PLAY
TAPE	VFK3680KL (Color bar)
M.EQ	Oscilloscope
SPEC.	A≧70mVp-p



3-5. PB Equalizer Adjustment

BOARD	VTR MAIN
TEST	B.E.R. Counter
ADJUST	PC-EVR: as following commands
MODE	PLAY
TAPE	VFK3680KL
M.EQ	B.E.R. Counter
SPEC.	Less than 250 at Counter display

Select PC-EVR " VIDEO ADJUSTMENT 2 " ⇒ "3. PLAYBACK_E.Q._ADJUSTMENT ".

- Select "Setting "line and press Enter, automatically set INNERECC and OUTERECC to OFF mode.
- Playbcak alignment tape and adjust PC-EVR (PLL_SL= → PLL_POS= → AUTO_EQ= → EQ_a_L= → EQ_b_L= then repeat PLL_SL=) so that L-ch error rate becomes minimum.
- Set CH SW of B.E.R. Counter to R side and adjust PC-EVR (EQ_a_R= → EQ_b_R=) so that R-ch error rate becomes minimum.

3-6. REC Current Adjustment

BOARD	VTR MAIN
TEST	TP3202 (L-ch), TP3203 (R-ch)
ADJUST	PC-EVR: REC_cur_L=, REC_cur_R=
MODE	REC / PB
TAPE	Recording Tape
M.EQ	Spectrum Analyzer
SPEC.	See Below

Select PC-EVR " VIDEO ADJUSTMENT 2 " ⇒ "10. REC_CUR_ADJUSTMENT ".

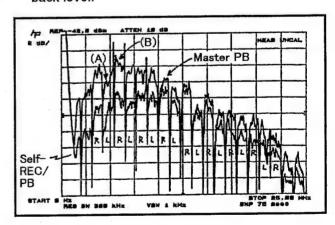
B.E.R. Counter setting

Error Count : OFF

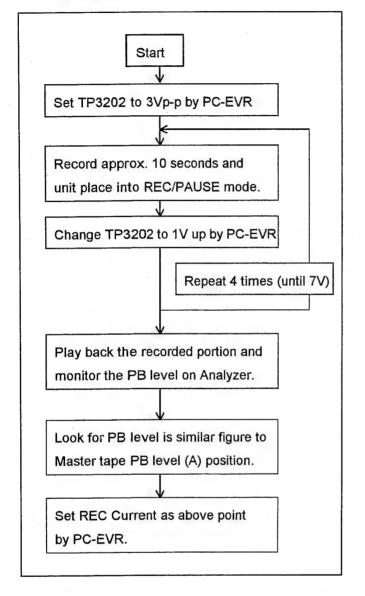
HSW SW:R

<< Preparation >>

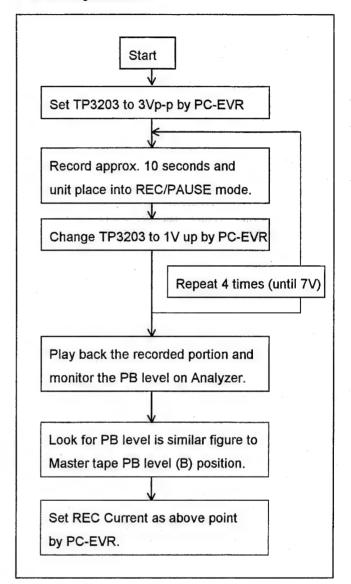
- Playback the color bar portion of alignment tape and store average of 50 sampling in TRACE B on the Spectrum Analyzer.
- Insert blank tape and record internal color bar signal.
- Set REC current level for both channel to 3Vp-p by PC-EVR (L-ch: REC_CUR_L=, R-ch: REC_CUR_R).
- Play back just recorded portion and confirm (A) and (B) point should be lower than master play back level.

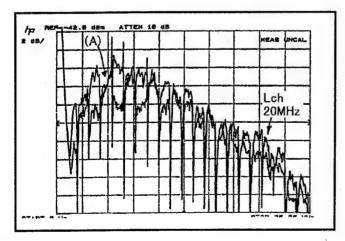


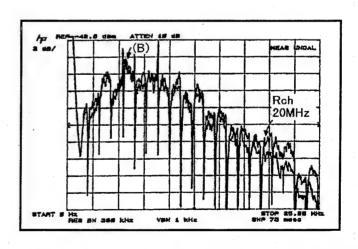
<< L-ch Adjustment >>



<< R-ch Adjustment >>







After completed RF adjustment should be set ECC mode to OFF.

Select PC-EVR " VIDEO ADJUSTMENT 2" ⇒ "12. SETTING", it is set INNERECC and OUTECC to OFF

4. AUDIO

4-1. PB LEVEL Adjustment

BOARD	VTR MAIN
TEST	AUDIO OUT
ADJUST	VR4101 (CH1), VR4201 (CH2)
MODE	PLAY
TAPE	VFM3680KL
M.EQ	V.T.V.M
SPEC.	-6dBu±0.2dBu

 Adjust VR4101 for CH1 and VR4201 for CH2 so that play back level becomes within specification.

4-2. CUE REC LEVEL Adjustment

BOARD	VTR MAIN
TEST	TP4001
ADJUST	VR4003
MODE	STOP
TAPE	
M.EQ	V.T.V.M
SPEC.	-10dBu±0.2dBu

<< Preparation >>

- Select MIC SELECT SW on the side panel to "REAR" position for both channel.
- Set REAR MIC LEVEL in menu screen to "-40dB" position.
- Set CUE REC SELECT in menu screen to "CH1" position.
- Adjust audio signal generator level becomes -6dBu at audio output.
- Connect PC-EVR and set Dolby OFF mode as following steps.
 - 1. Use F6 Direct Command function
 - 2. Type "DOLBY=OFF" then press Enter.
- Adjust VR4003 so that audio out put level becomes within specification.

After completed this adjustment should be perform next item "4-3. CUE REC CURRENT ADJ.". Then make sure Dolby set to ON mode by PC-EVR.

4-3. CUE REC Current Adjustment

BOARD	REAR JACK
TEST	TP1002
ADJUST	VR1002
MODE	PLAY
TAPE	VFM3680KL
M.EQ	V.T.V.M
SPEC.	0±3dBu

Please set as same as "3-2. CUE REC Level Adj." condition.

- 1. Play back the alignment tape and measure level at TP1002 (take memo).
- Make self record and play back, and adjust VR1002 so that play back level becomes within specification for previous step 1 level.

After completed this adjustment make sure Dolby set to ON mode by PC-EVR.

5. CAMERA

All camera adjustment items using the PC-EVR.

Lighting set up: 3200K, 2000Lux

5-1. V SUB Adjustment

Select "1. VSUB_CUR_ADJUSTMENT".

SETTING	IRIS: AUTO
	GAIN: 0 dB
	AWB: MEM
•	OUTPUT: CAM
	SHUTTER: OFF
CHART	Gray Scale
M.EQ	

Press F5 (Mode) key and set mode to [All Steps] and press Enter key, then automatically set the fixed data into EEPROM.

- ✓ Make sure selected top line on adjustment item on screen.
- * After completed this adjustment, press F1 (File) and select HD Read.

5-2. GAIN 0dB Adjustment

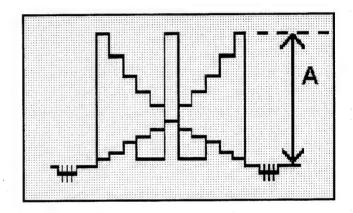
Select "2. CAMERA_GAIN_ADJUSTMENT" for all Gain adjustments (item No. 5-2 to 5-6).

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
TEST	P6603 Pin 4 : AGC out (R)
	P6603 Pin 1 : GND
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Oscilloscope, Vector Scope

Press F5 (Mode) key and set mode to [1 Step] and press Enter key.

✓ Make sure selected top line of adjustment menu. [1. CAMERA_GAIN(0dB)]

- Perform Line No.1 "ADin_R=160" to Line No.7 "AGCmin_R=0".
- Adjust IRIS on the Lens so that Level (A) of P6603 pin 4 (AGC R) becomes 250mV.
- Select "AGCmin_G=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Select "AGCmin_B=" land adjust the dot is at center of the vector scope by ↑ ↓ key.
- Repeat above 3 and 4, then press ESC key to next step.



5-3. GAIN 18dB Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Vector Scope

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [10. CAMERA_GAIN(18dB)]
- Select "AGCmax_18G=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Select "AGCmax_18B=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Repeat above 1 and 2, then press ESC key to next step.

5-4. GAIN 12dB Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Vector Scope

Press **F5** (**Mode**) key and set mode to **[1 Step]** and press Enter key.

- ✓ Make sure selected line of adjustment menu. [14. CAMERA_GAIN(12dB)]
- Select "AGCmax_12G=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Select "AGCmax_12B=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Repeat above 1 and 2, then press ESC key to next step.

5-5. GAIN 9dB Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Vector Scope

Press **F5** (**Mode**) key and set mode to **[1 Step]** and press Enter key.

- ✓ Make sure selected line of adjustment menu. [17. CAMERA_GAIN(9dB)]
- Select "AGCmax_9G=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Select "AGCmax_9B=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Repeat above 1 and 2, then press ESC key to next step.

5-6. GAIN 6dB Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Vector Scope

- ✓ Make sure selected line of adjustment menu. [20. CAMERA_GAIN(6dB)]
- Select "AGCmax_6G=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Select "AGCmax_6B=" and adjust the dot is at center of the vector scope by ↑ ↓ key.
- Repeat above 1 and 2, and perform Line No.23
 "SYNC" then press ESC key and select STOP to
 EXIT.

5-7. WB PRE-SET Adjustment (Indoor) Select "3. WB_PRE-SET_ADJUSTMENT" for all Gain adjustments (item No. 5-7 to 5-8).

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	Vector Scope

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [1. WB_PRE-SET_ADJUSTMENT(INDOOR)]
- Perform Line No. 1 to 3 "AWB_R=0X50, AWB_B=0X70" and confirm the dot is at center of the vector scope.
- Select "AWB=indoorset" and adjustment performed automatically.

5-8. WB PRE-SET Adjustment (Outdoor)

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB120 Filter
CHART	Gray Scale
M.EQ	Vector Scope

- ✓ Make sure selected line of adjustment menu. [5. WB_PRE-SET_ADJUSTMENT(OUTDOOR)]
- Put the CC filter (VFK1347 : LB120) on front of the Lens.
- Select "AWB=setting" and automatically adjust white balance and confirm the dot is at center of the vector scope.
- Select "AWB=outdoorset" and adjustment performed automatically.

5-9. ATW WB Adjustment (3100K) Select "3. ATW:WB_ADJUSTMENT" for all

Gain adjustments (item No. 5-9 to 5-10).

SETTING	IRIS: MANUAL	
	GAIN: 0 dB	
	AWB: MEM	
	OUTPUT: CAM	
	SHUTTER: OFF	
LIGHT	3200K Halogen	
CHART	Gray Scale	
M.EQ	Vector Scope	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [1. ATW:WB_ADJUSTMENT(3100K)]
- 1. Make sure no filter on the Lens.
- Select "AWB_R=0X50, AWB_B=0X70" line and confirm the dot is at center of the vector scope.
- Select "AWB=3100set" and adjustment performed automatically.

5-10. ATW WB Adjustment (5100K)

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB120 Filter
CHART	Gray Scale
M.EQ	Vector Scope

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

✓ Make sure selected line of adjustment menu. [4. ATW:WB_ADJUSTMENT(5100K)]

- Put the CC filter (VFK1347 : LB120) on front of the Lens.
- Select "AWB=setting" and automatically adjust white balance and confirm the dot is at center of the vector scope.
- Select "AWB=5100set" and adjustment performed automatically.

5-11. ATW WHITE BALANCE DATA Confirmation

Select "5. ATW:WB_DATA_ADJUSTMENT" for all Gain adjustments (item No. 5-11 to 5-13).

SETTING	IRIS: MANUAL
	GAIN: 0 dB
ŀ	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	Not Required
CHART	
M.EQ	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

✓ Make sure selected line of adjustment menu. [1. ATW_WB_DATA_CHECK]

Select "ATWADJ=Gaincheck" and perform it, then confirm "OK" display appear on the Screen. If appear "NG", re-adjust Item 5-9 and 5-10 again.

5-12. ATW WB Data Setting (3100K)

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [2. ATW_WB_DATA_SETTING(3100K)]
- 1. Make sure no filter on front of the Lens.
- Select "ATWADJ=3100ATW" and adjustment performed automatically.

5-13. ATW WB Data Setting (5100K)

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB120 Filter
CHART	Gray Scale
M.EQ	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [3. ATW_WB_DATA_SETTING(5100K)]
- Put the CC filter (VFK1347 : LB120) on front of the Lens.
- Select "ATWADJ=5100ATW" and adjustment performed automatically.

5-14. ATW Tracking Data Setting

Select "6. ATW:SENSOR_ADJUSTMENT" for adjustments item No. 5-14 to 5-22.

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	Not Required
CHART	
M.EQ	

Press F5 (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [1.
 ATW_TRACKING_SETTING]
- Select "ATWADJ=Tracking" and adjustment performed automatically.

After this adjustment, the Power OFF/ON of the unit.

5-15. ATW SENSOR OFFSET Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen
CHART	Gray Scale
M.EQ	

- ✓ Make sure selected line of adjustment menu. [2. ATW:SENSOR_OFFSET_SETTING]
- 1. Make sure no filter on front of the Lens.
- 2. Select "ATWADJ=Sensor_OFFset" and adjustment performed automatically.

5-16. ATW SENSOR NORMALIZE Data Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB120 Filter
CHART	Gray Scale
M.EQ	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [3. ATW:SENSOR_DATA_NORMALAIZE]
- Put the CC filter (VFK1347 : LB120) on front of the ATW Sensor.
- Select "ATWADJ=Sensor_Normalize" and adjustment performed automatically.

After this adjustment, the Power OFF/ON of the unit.

5-17. ATW SENSOR DATA Confirmation

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB120 Filter
CHART	Gray Scale
M.EQ	

Press **F5** (**Mode**) key and set mode to [1 Step] and press Enter key.

✓ Make sure selected line of adjustment menu. [4. ATW:SENSOR_CHECK]

- Put the CC filter (VFK1347 : LB120) on front of the ATW Sensor.
- Select "ATWADJ=SensorCheck" and perform it, then confirm "OK" display appear on the Screen. If appear "NG", re-adjust Item 5-12 to 5-16 again.

5-18. Warm White Balance Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LA40 Filter
CHART	Gray Scale
M.EQ	

- ✓ Make sure selected line of adjustment menu. [5. ATW:WARM_WHITE_BALANCE_SETTING]
- 1. Put the CC filter (VFK: LA40) on front of the Lens.
- Select "AWB=setting" and automatically adjust white balance and confirm the dot is at center of the vector scope.
- Select "AWB=WWset" and adjustment performed automatically.

5-19. Cool White Balance Adjustment

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB40 Filter
CHART	Gray Scale
M.EQ	

Press **F5** (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [7.
 ATW:COOL_WHITE_BALANCE_SETTING]
- Put the CC filter (VFK1341 : LB40) on front of the Lens.
- Select "AWB=setting" and automatically adjust white balance and confirm the dot is at center of the vector scope.
- Select "AWB=CWset" and adjustment performed automatically.

5-20. Warm White Balance Data Setting

	SETTING	IRIS: MANUAL
١		GAIN: 0 dB
ļ		AWB: MEM
		OUTPUT: CAM
		SHUTTER: OFF
1	LIGHT	3200K Halogen + LA40 Filter
	CHART	Gray Scale
	M.EQ	

Press F5 (Mode) key and set mode to [1 Step] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [9. ATW:WARM_WHITE_BALANCE_DATA]
- 1. Put the CC filter (VFK: LA40) on front of the Lens.
- Select "AWBADJ=WWATW" and adjustment performed automatically.

5-21. Cool White Balance Data Setting

SETTING	IRIS: MANUAL
	GAIN: 0 Db
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	3200K Halogen + LB40 Filter
CHART	Gray Scale
M.EQ	

Press **F5** (**Mode**) key and set mode to [**1 Step**] and press Enter key.

- ✓ Make sure selected line of adjustment menu. [10.
 ATW:COOL_WHITE_BALANCE_DATA]
- Put the CC filter (VFK1341 : LB40) on front of the Lens.
- Select "AWBADJ=CWATW" and adjustment performed automatically.

5-22. Normal White Balance Data Setting

SETTING	IRIS: MANUAL
	GAIN: 0 dB
	AWB: MEM
	OUTPUT: CAM
	SHUTTER: OFF
LIGHT	Not Required
CHART	
M.EQ	

- ✓ Make sure selected line of adjustment menu. [11. ATW:NORMAL_WHITE_BALANCE_DATA]
- Select "AWB=NWset" and adjustment performed automatically.

CCD Replacement Procedures

Perform the following steps for the CCD replacement and adjustment.

- 1. Remove the both side panels.
- Disconnect P6601, P6602 and P6605, unscrew 3 screws (A) on the TEST Connection C.B.A. (Fig. CCD1)
- Disconnect P7 on the component side of the VTR MAIN C.B.A. and open this board then disconnect P1 on back side of this C.B.A.
- 4. Unscrews (B) on Front panel and carefully pull the Front panel unit with camera block out to front direction. (Fig. CCD2)
- Unscrews 3 screws (C) on the shield case of CCD unit and remove the shield case. (Fig. CCD3)
- Disconnect PP101 on the Sensor C.B.A. (Fig. CCD4)
- Unscrew 3 screws (E) on CCD mount base and carefully remove CCD Prism unit from front panel. (Fig. CCD5)
- Replace the new CCD Prism unit and follows reverse way to above steps.

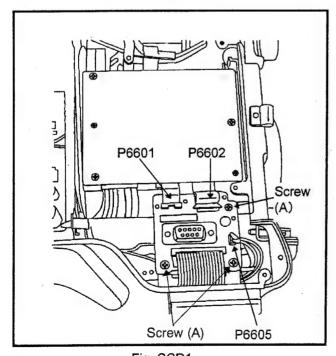


Fig. CCD1

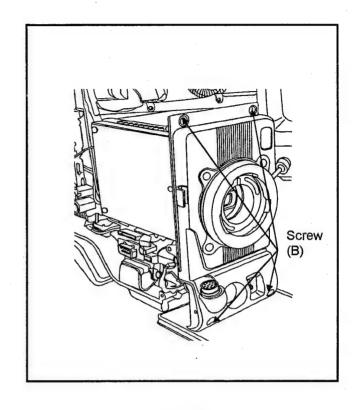


Fig. CCD2

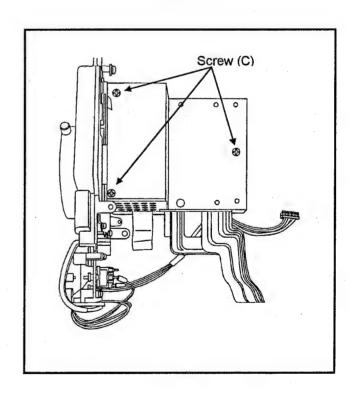


Fig. CCD3

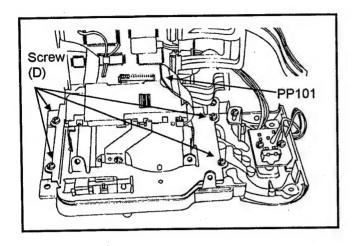


Fig. CCD4

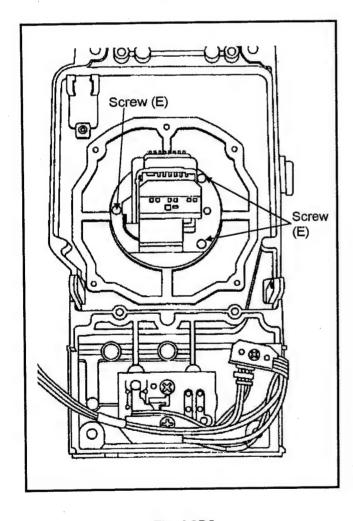
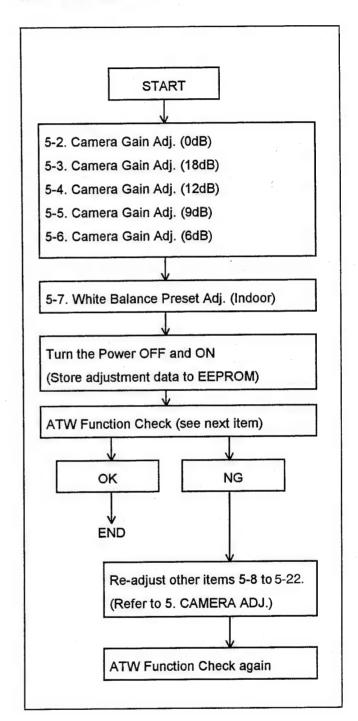


Fig. CCD5

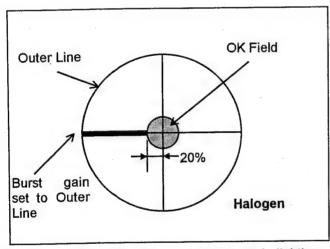
<<Adjustment Flow Chart after install new CCD unit>>



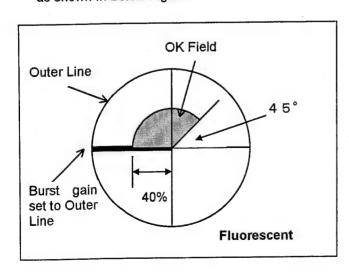
<< ATW Function Check >>

SETTING	IRIS: AUTO
	GAIN: 0 dB
	AWB: ATW
	OUTPUT: CAM
	SHUTTER: OFF
TEST	VIDEO out
CHART	Gray Scale
M.EQ	Vector Scope

- The AWB switch on the side panel set to "ATW" mode.
- Confirm the dot is at OK field of the vector scope as shown in below Figure under the Halogen Lamp condition.



- Turn OFF the Halogen Lamp and lighting condition is Fluorescent Lamp.
- Confirm the dot is at OK field of the vector scope as shown in below Figure.



6. ELECTRICAL VIEWFINDER

6-1. Preparation

- 1. Remove the top case of the EVF.
- 2. Connect the EVF to the main unit.
- Supply an external DC to the external Dc input of the main unit.

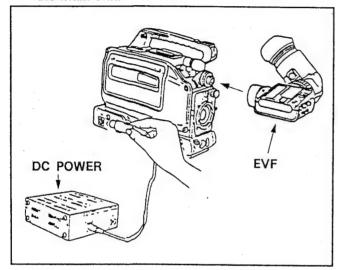


Figure F1.

6-2. Setting of the Controls for Adjustment

Unless otherwise specified, set the controls as shown below.

PEAKING VR

12 O'clock position

· CONTRAST VR · BRIGHT VR 12 O'clock position 12 O'clock position

· CHARACTER SW · ZEBRA SW

: OFF : OFF

· TALLY SW · IRIS SW

: M (Manual)

· OUTPUT

(CAM/BAR) SW

CAM

6-3. Power Supply Voltage Adjustment

BOARD	V DEF
TP	TP7001
ADJ.	VR7001
TAPE	WITHOUT TAPE
INPUT	NO INPUT SIGNAL
MODE	STOP
M.EQ	D.V.M.
SPEC.	8.6V ± 0.005V DC

1. Adjust the EVF controls as follows.

· BRIGHT VR

Minimum (fully CCW)

position

· CONTRAST VR

Minimum (fully CCW)

position

 Connect the D.V.M. to TP7001 and adjust VR7001 so that the voltage is 8.6V ± 0.005V.

6-4. H Free Run Frequency Adjustment

BOARD	V DEF
TP	TP7401
ADJ.	VR7002
TAPE	WITHOUT TAPE
INPUT	NO INPUT SIGNAL
MODE	STOP
M.EQ	FREQUENCY COUNTER
SPEC.	15.75KHz ± 0.1KHz (NTSC) 15.625KHz ± 0.1KHz (PAL)

 Connect the frequency counter to TP7401 and adjust VR7002 so that the frequency is within the specification.

6-5. V Free Run Frequency Adjustment

BOARD	V DEF
TP	TP7002
ADJ.	VR7006
TAPE	WITHOUT TAPE
INPUT	NO INPUT SIGNAL
MODE	STOP
M.EQ	FREQUENCY COUNTER
SPEC.	50Hz ± 1Hz (NTSC), 42Hz ± 1Hz (PAL)

 Connect the frequency counter to TP7002 and adjust VR7006 so that the frequency is within the specification.

6-6. Deflection Yoke Tilt Adjustment

BOARD	
TP	CRT
ADJ.	DEFLECTION YOKE
TAPE	MONOSCOPE OF ALIGNMENT TAPE
INPUT	FROM VTR SECTION
MODE	PLAY
M.EQ	
SPEC.	PICTURE IS STRAIGHT ON THE SCREEN

- 1. Disassemble the CRT unit.
 - Remove the top case.
 (refer to page 2-8 of the service manual volume 1)
 - Open the H DEF C.B.A. (refer to page 2-8 of the service manual volume 1)
 - 3) Remove the eye piece unit.
 - 4) Disconnect the connectors P7004 on the Front C.B.A., P7014 on the V DEF C.B.A., P7009 on the CN C.B.A. and P7013, P7011 on the H DEF C.B.A. so that the CRT unit can be lifted.
 - 5) Shift the outer lock ring, lock ring spacer and inner lock ring to the cable side as shown in Figure F2.

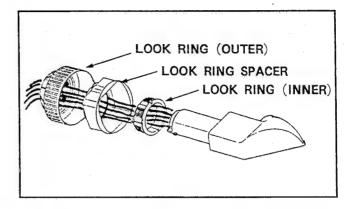


Figure F2
6) Unscrew the screws (A) and (B) as shown in Figure F3.

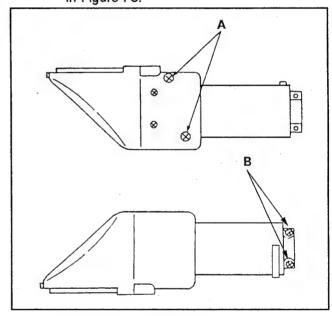


Figure F3.

7) Push the portion A as shown in Figure F4 so that the CRT case can be removed.

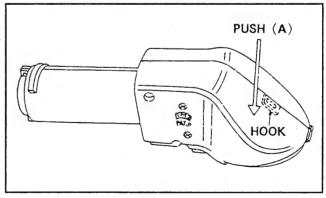


Figure F4

8) Connect the all connectors which have been disconnected in step 4).

- Loosen the clamp band screw holding the deflection yoke as shown in Figure F5.
- Rotate the deflection coil clockwise or counterclockwise so that the picture is straight on the screen as shown in Figure F6.

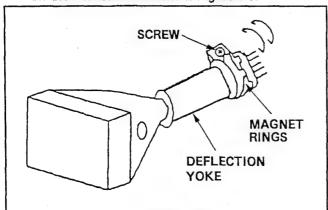


Figure F5.

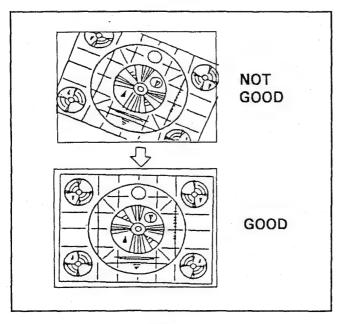


Figure F6.

6-7. Picture Centering Adjustment

BOARD	
TP	CRT
ADJ.	CENTERING MAGNETS
TAPE	MONOSCOPE OF ALIGNMENT TAPE
INPUT	FROM VTR SECTION
MODE	PLAY
M.EQ	
SPEC.	PICTURE IS IN THE CENTER ON THE SCREEN

 Disassemble the CRT unit. (refer to step 1 of 7-4-6. Deflection Yoke Tilt Adj.) Rotate the two centering magnets as shown in Figure F4 to center the picture both vertically horizontally as shown in Figure F8.

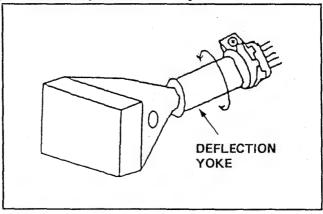


Figure F7.

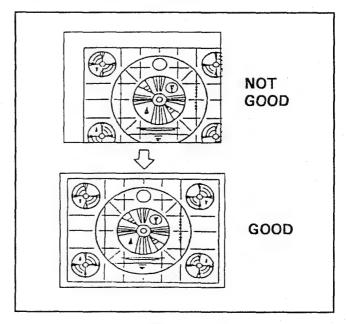


Figure F8.

6-8. Picture Size Adjustment

BOARD	V DEF
TP	SCREEN
ADJ.	VR7004 (V), VR7005 (H)
TAPE	WITHOUT TAPE
INPUT	FROM INTERNAL COLOR BAR
MODE	STOP
M.EQ	
SPEC.	H = 0.5mm, V = 0.5mm

- 1. Set the CAM / BAR switch at the BAR position.
- Adjust VR7004 (vertical) and VR7005 (horizontal) so that the V width and H width of the picture frame are 0.5mm as shown in Figure Fo

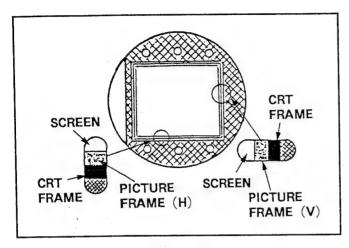


Figure F9.



BOARD	H DEF
TP	
ADJ.	VR7403
TAPE	WITHOUT TAPE
INPUT	FROM CAMERA SECTION
MODE	VTR MODE STOP
M.EQ	OSCILLOSCOPE
SPEC.	RASTER JUST APPEAR

- Connect the scope to the CAMERA OUT. 1.
- Place the unit in the CAM (camera) mode and 2. manual iris mode.
- Aim the camera to a plain white paper and adjust the iris so that the white level is 630mVpp as shown in Figure F10.
- Adjust the viewfinder controls as follow.
 - · BRIGHT VR
- 3 O'clock position
- · CONTRAST VR
- Maximum (fully
- clockwise) position
- · PEAK VR
- Minimum (fully counter-
- clockwise) position
- Remove the eyepiece from the viewfinder unit.
- Carefully observe the frame portion of the screen and adjust VR7403 so that the raster is just appeared slightly as shown in Figure F11.

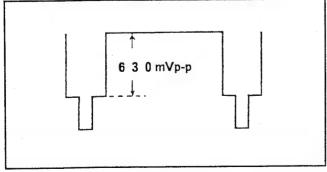


Figure F10.

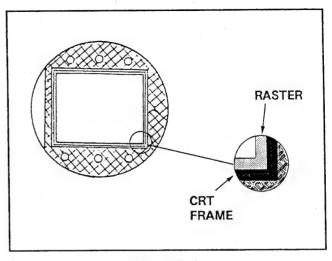


Figure F11.

6-10. Focus Adjustment

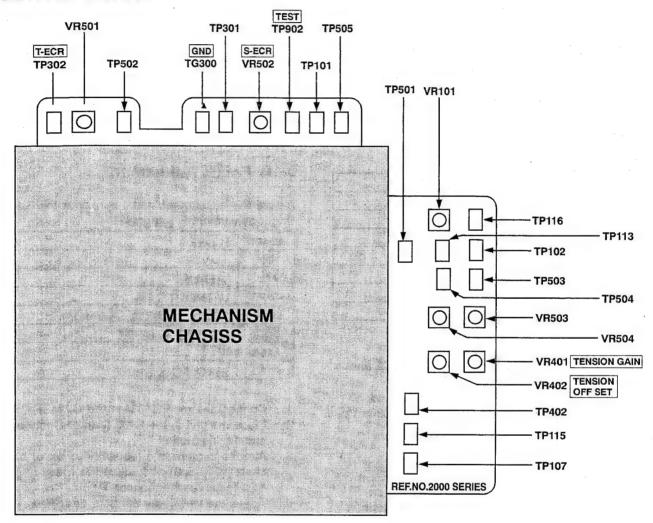
Before this adjustment, make sure that the Sub-Bright adjustment is performed.

activities personner.
H DEF
VR7402
WITHOUT TAPE
FROM CAMERA SECTION
VTR MODE STOP
BEST FOCUS

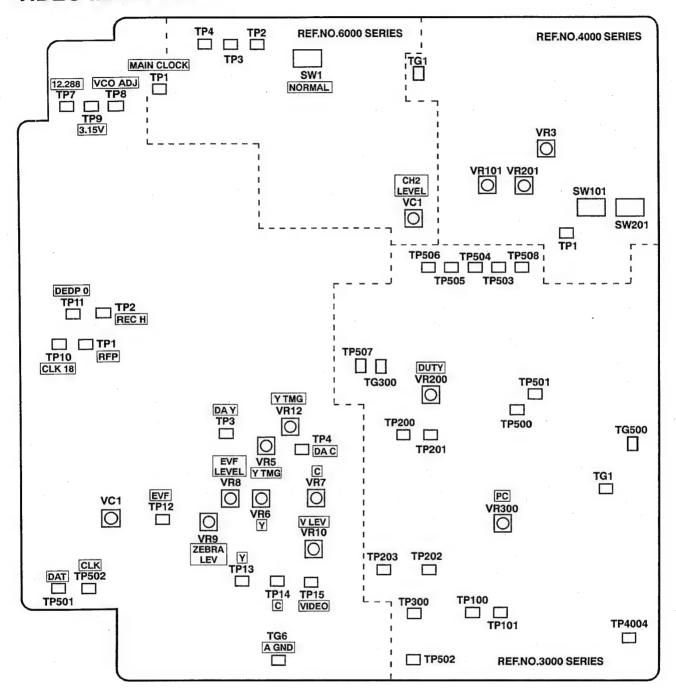
- Connect the monitor TV to the CAMERA OUT.
- 2. Place the unit in the CAM (camera) mode and manual iris mode.
- 3. Aim the camera to a resolution chart or boll chart (VFK0580) and adjust the focus ring to the best focus for the monitor TV.
- 4. Adjust the viewfinder controls as follow.
 - · BRIGHT VR
- 12 O'clock position
- · CONTRAST VR
- 12 O'clock position
- · PEAK VR
- Minimum (fully CCW)
- position.
- 5. Carefully observe the picture on the viewfinder and adjust VR7402 so the picture is best focus.

LOCATION OF TEST POINT & CONTROLS

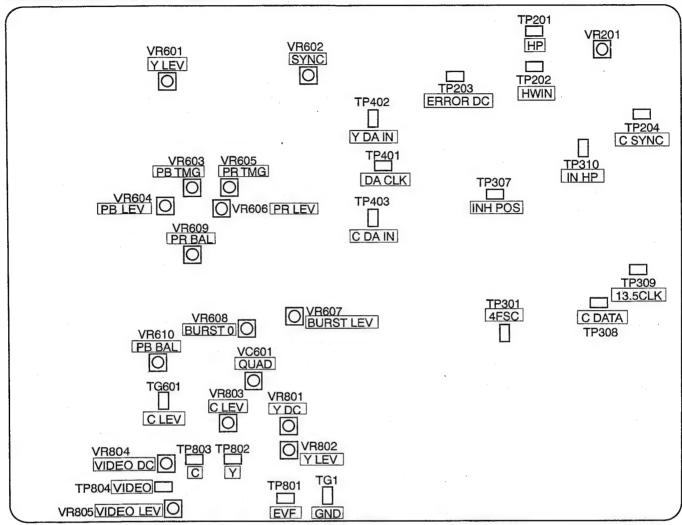
SERVO C.B.A.



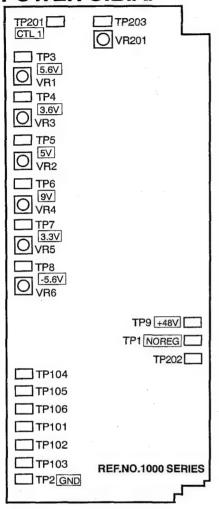
VIDEO MAIN C.B.A.



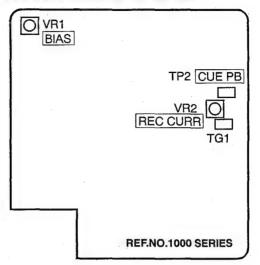
PRE SHUFFLE C.B.A.



POWER C.B.A.



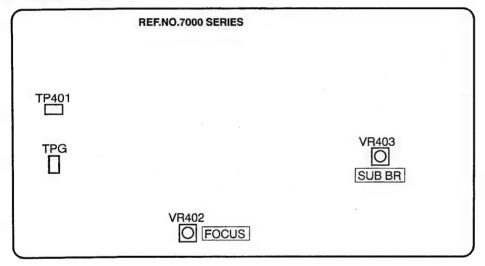
REAR JACK C.B.A.



V DEF C.B.A.

VR1 8.6V		VR1
VR6 V FREE. FREQ.		PICTURE SIZE H.
VR4 PICTURE SIZE V.		
○ VR3		
VR2 H FREE. FREQ.	TP1	
☐ TPG TP2	REF.NO.7000 SERIES	

H DEF C.B.A.

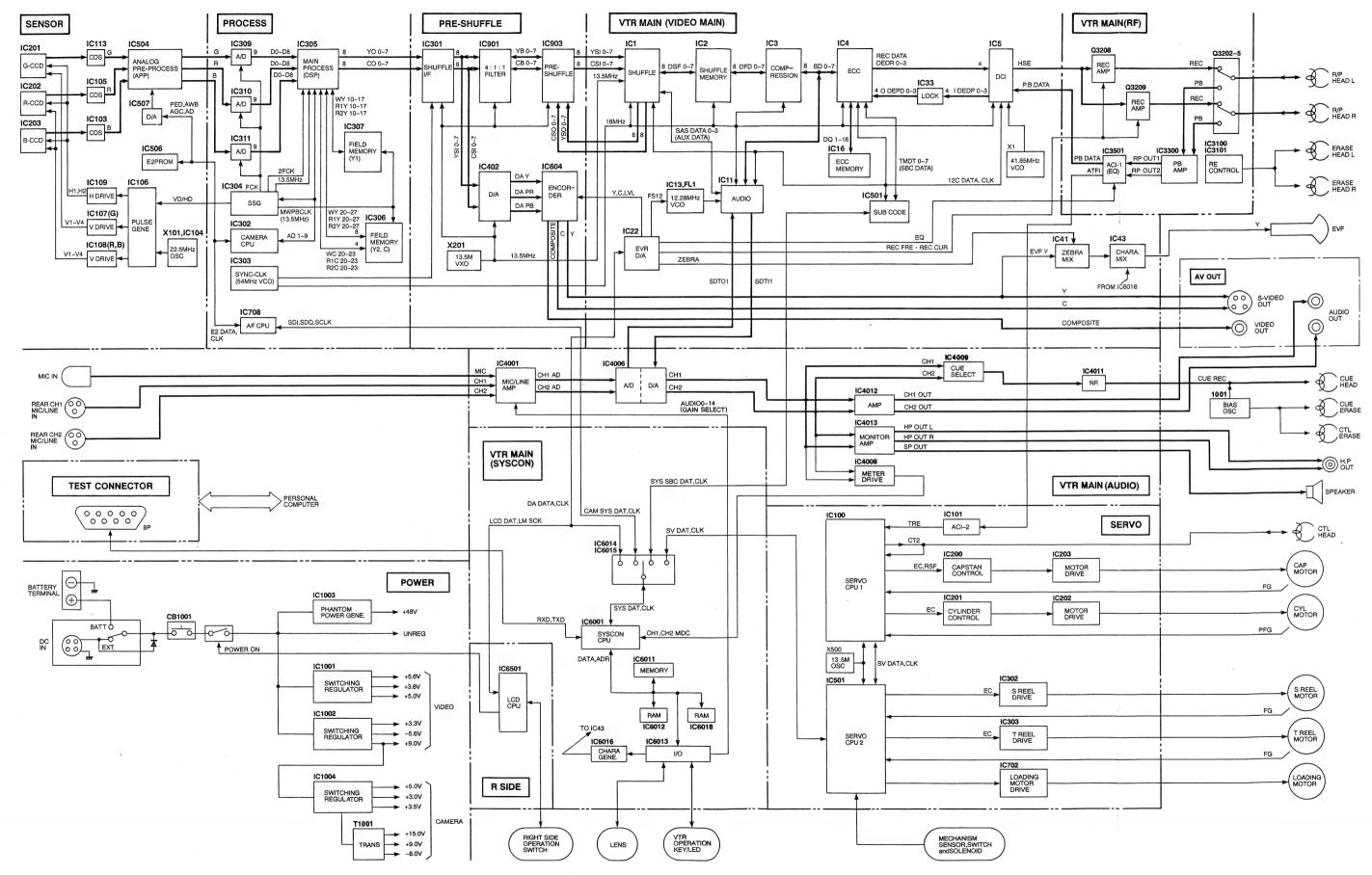


BLOCK DIAGRAMS

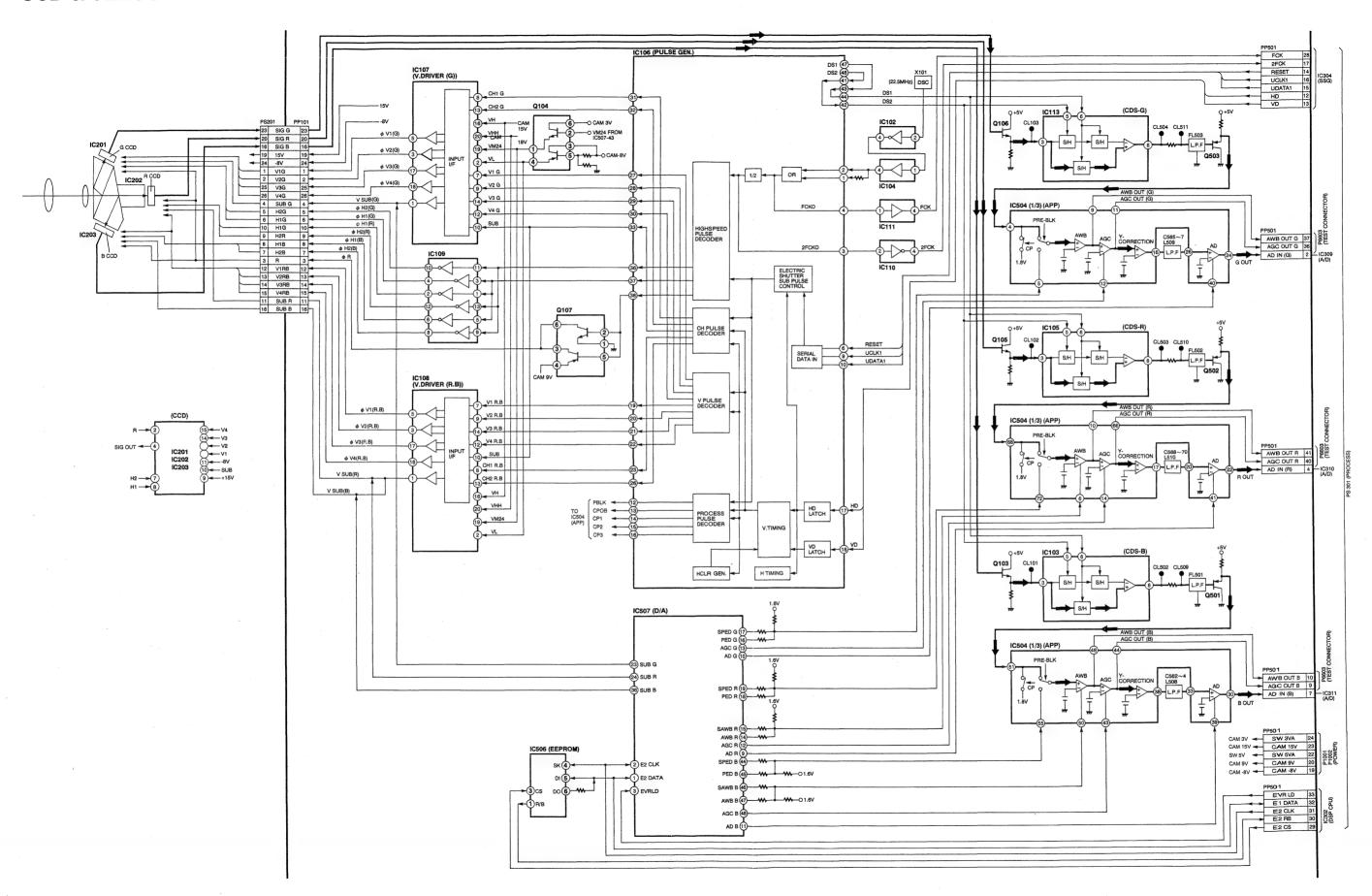
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CCD & SENSOR BLOCK DIAGRAM	BLK-3
PROCESS BLOCK DIAGRAM	BLK-4
PRE SHUFFLE BLOCK DIAGRAM	BLK-5
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SYSTEM CONTROL & R SIDE BLOCK DIAGRAM	BLK-9
SERVO CONTROL BLOCK DIAGRAM	BLK-10

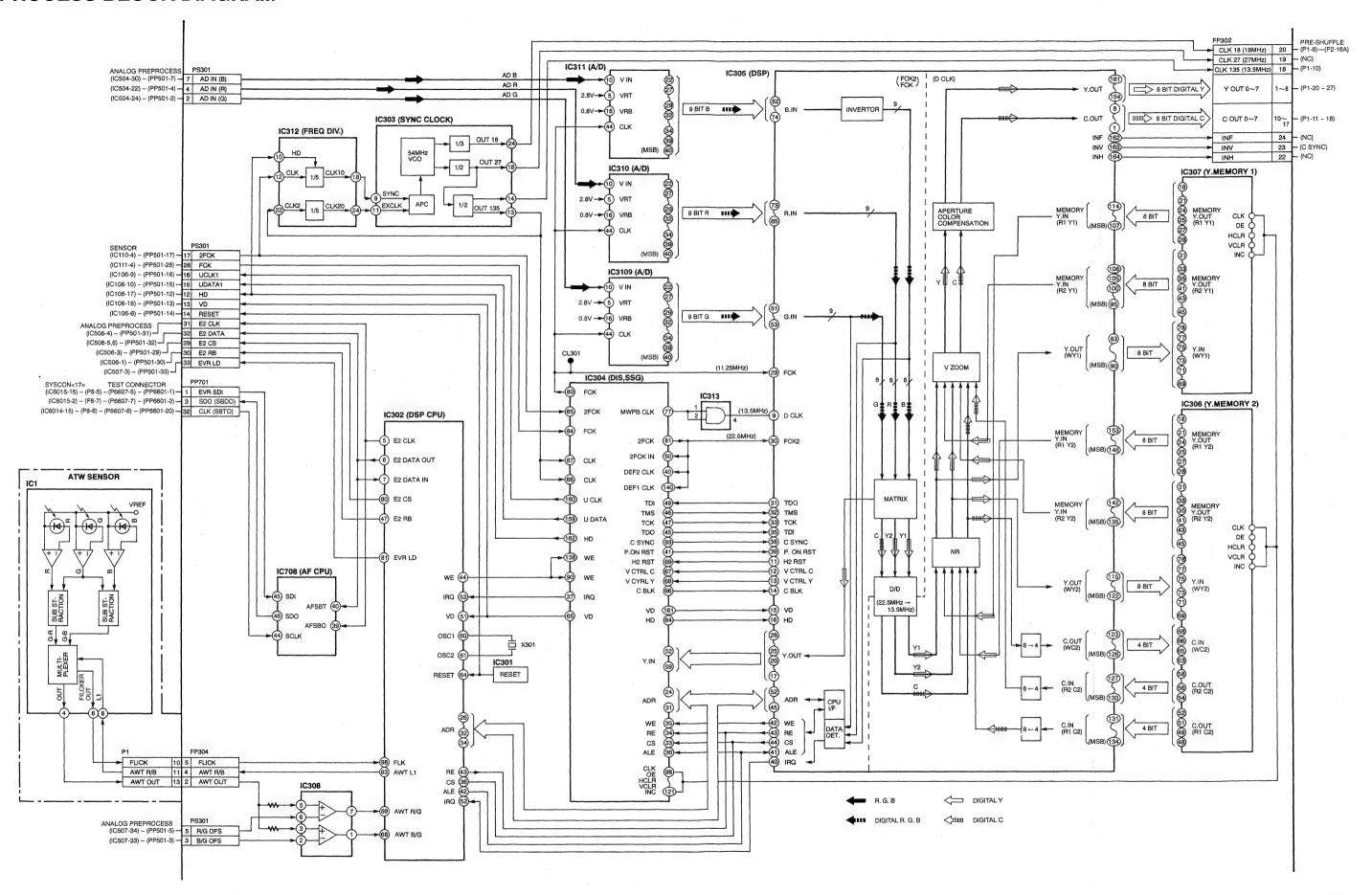
OVERALL BLOCK DIAGRAM



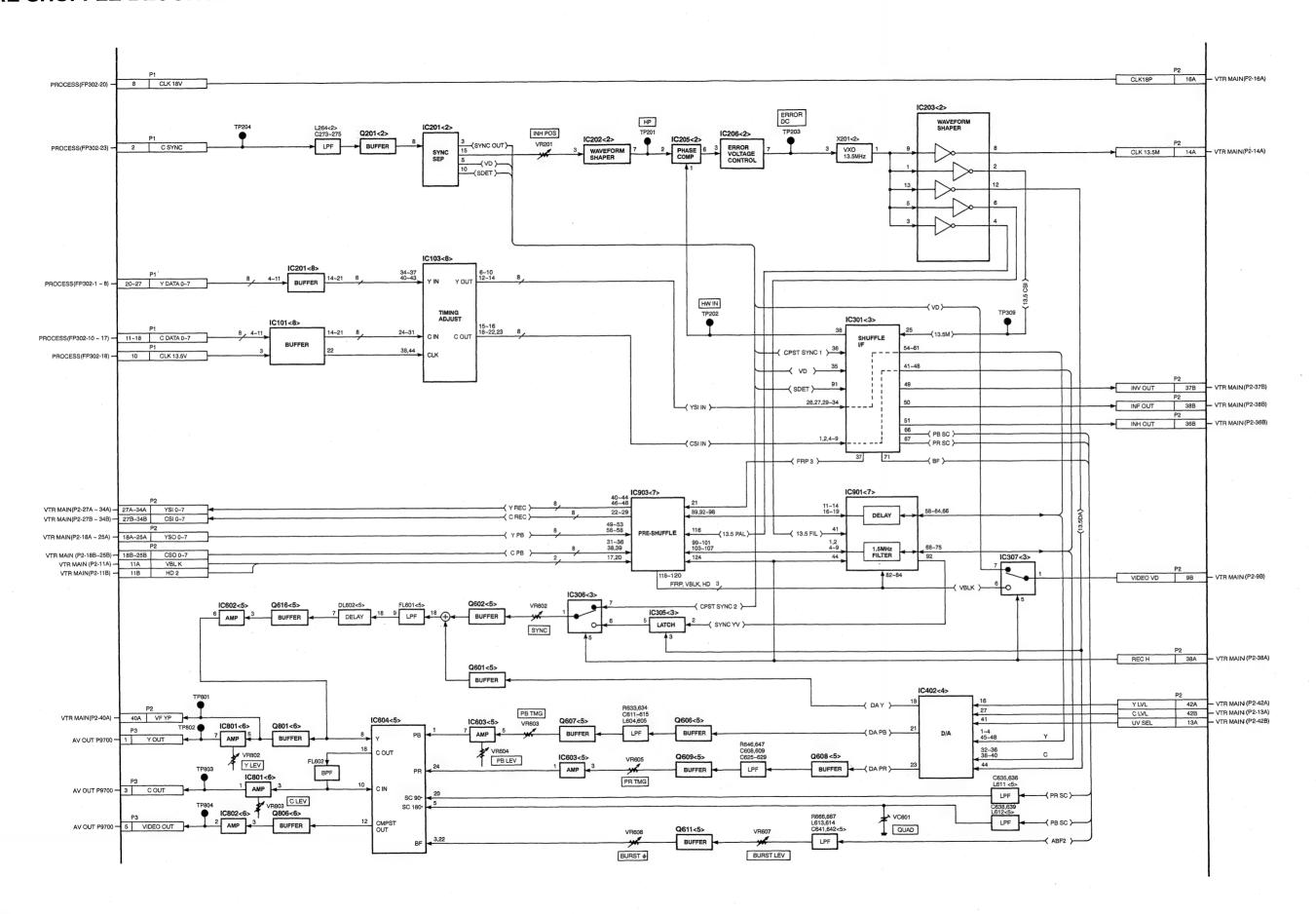
CCD & SENSOR BLOCK DIAGRAM



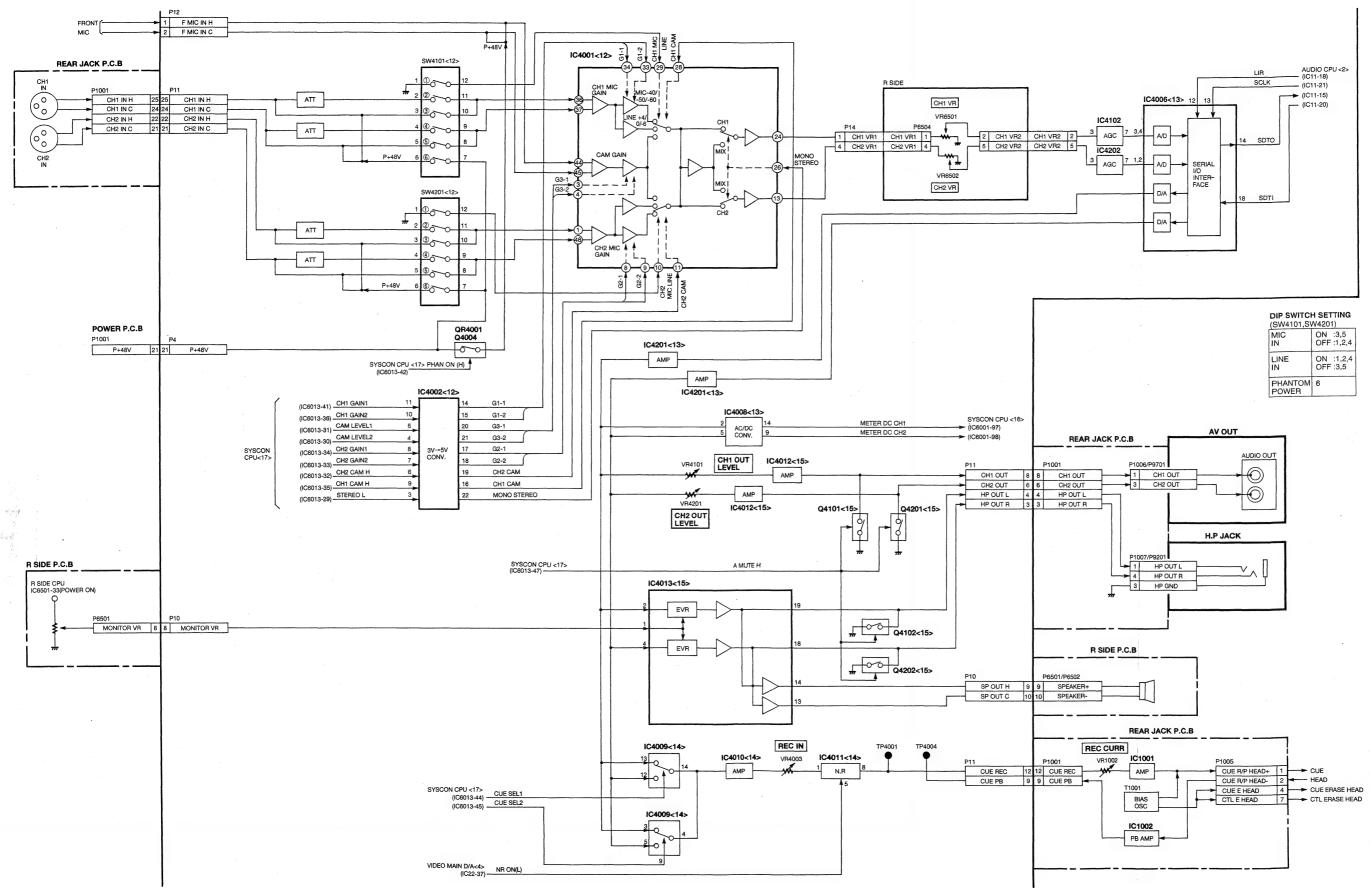
PROCESS BLOCK DIAGRAM



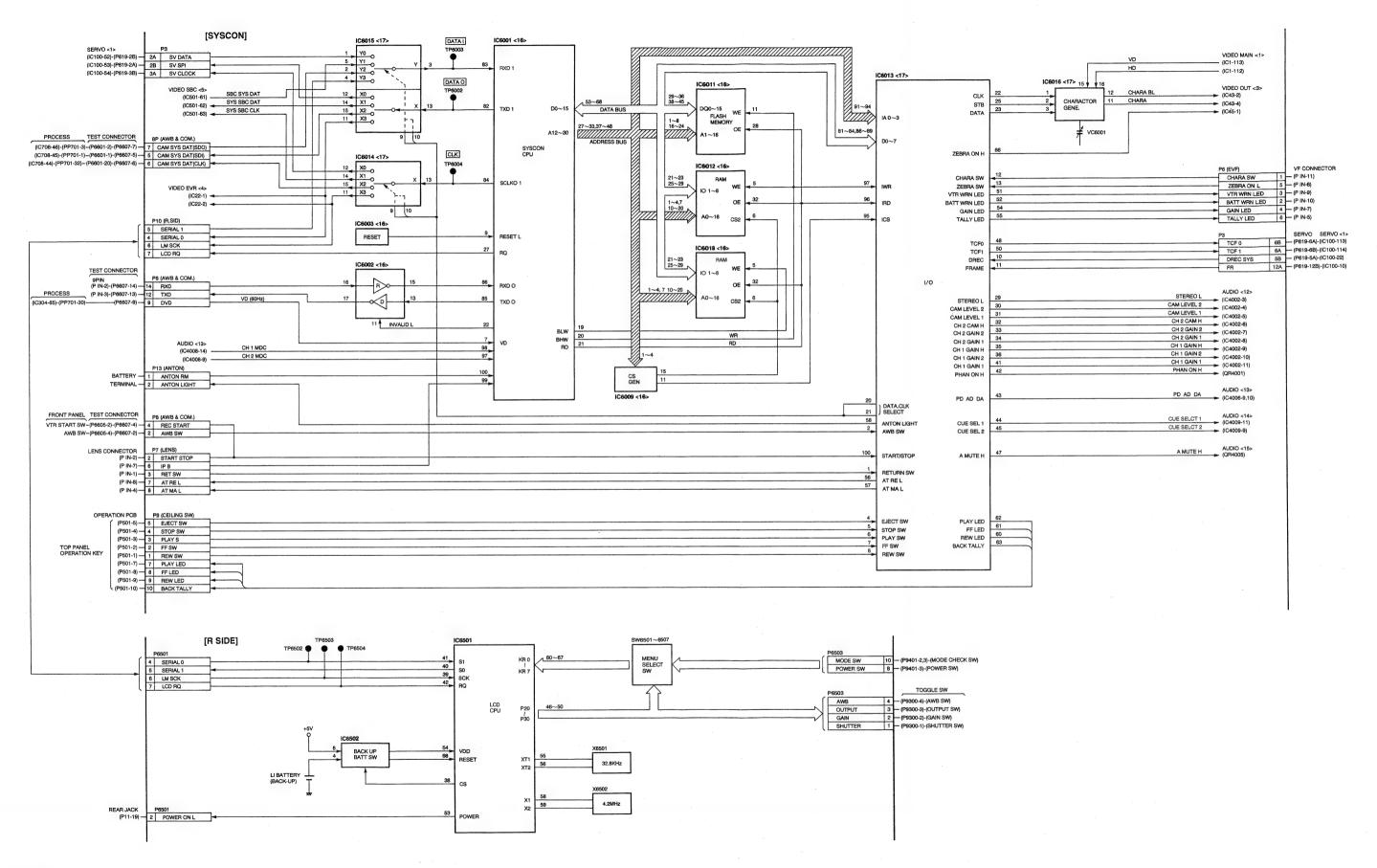
PRE SHUFFLE BLOCK DIAGRAM



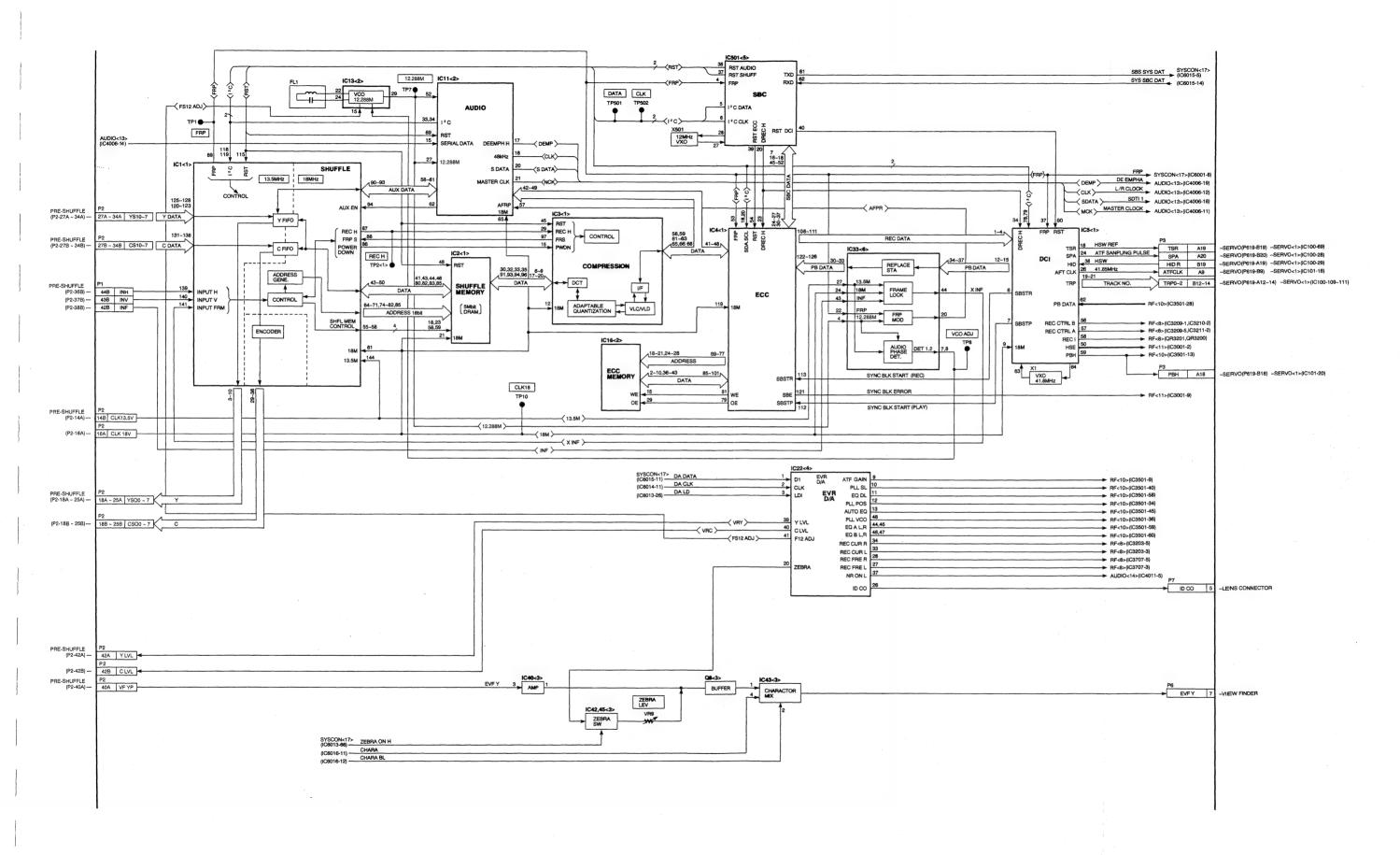
AUDIO & REAR JACK BLOCK DIAGRAM



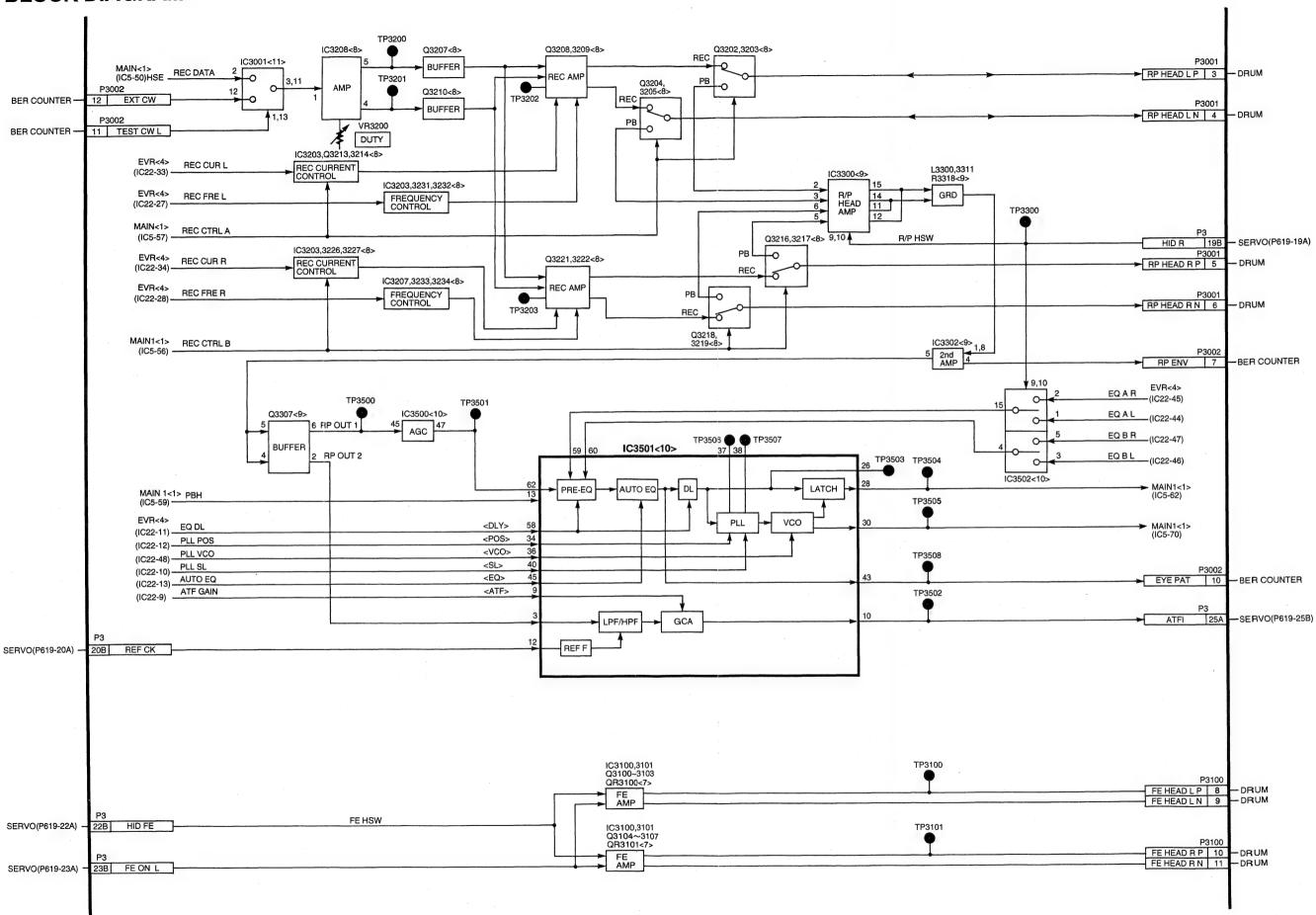
SYSTEM CONTROL & R SIDE BLOCK DIAGRAM



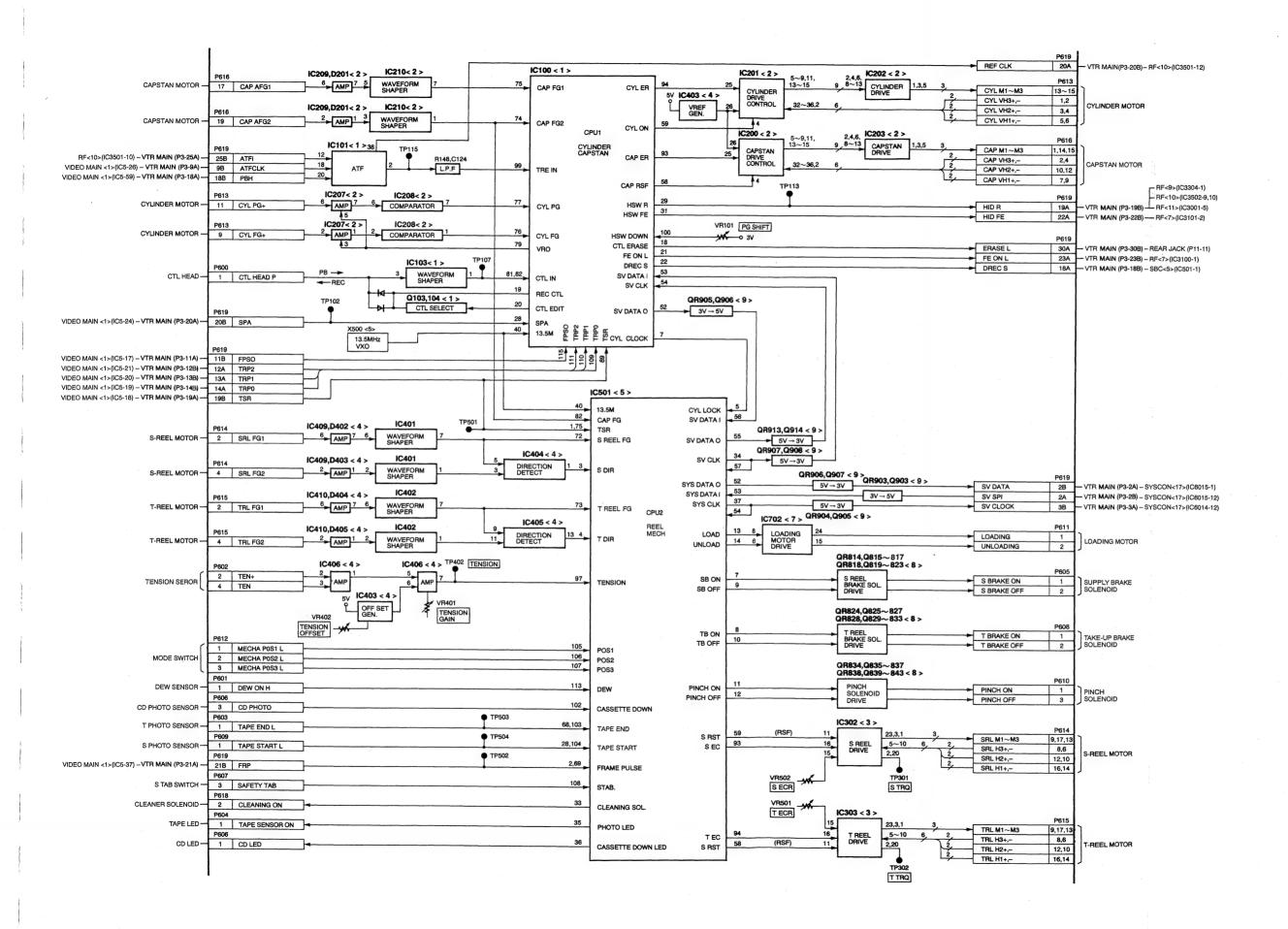
VIDEO MAIN BLOCK DIAGRAM



RF BLOCK DIAGRAM



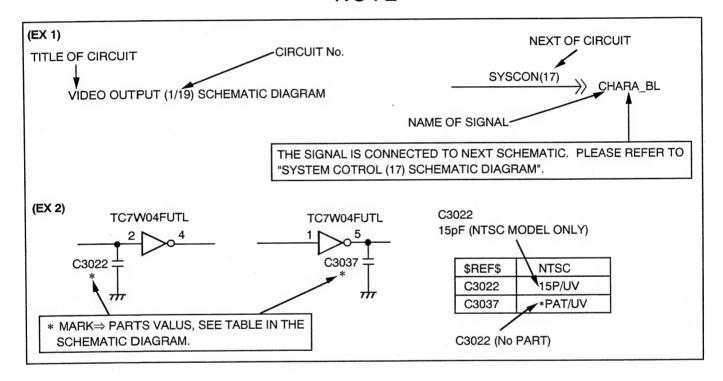
SERVO CONTROL BLOCK DIAGRAM



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SCHEMATIC DIAGRAM

NOTE



IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK riangle HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.

WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

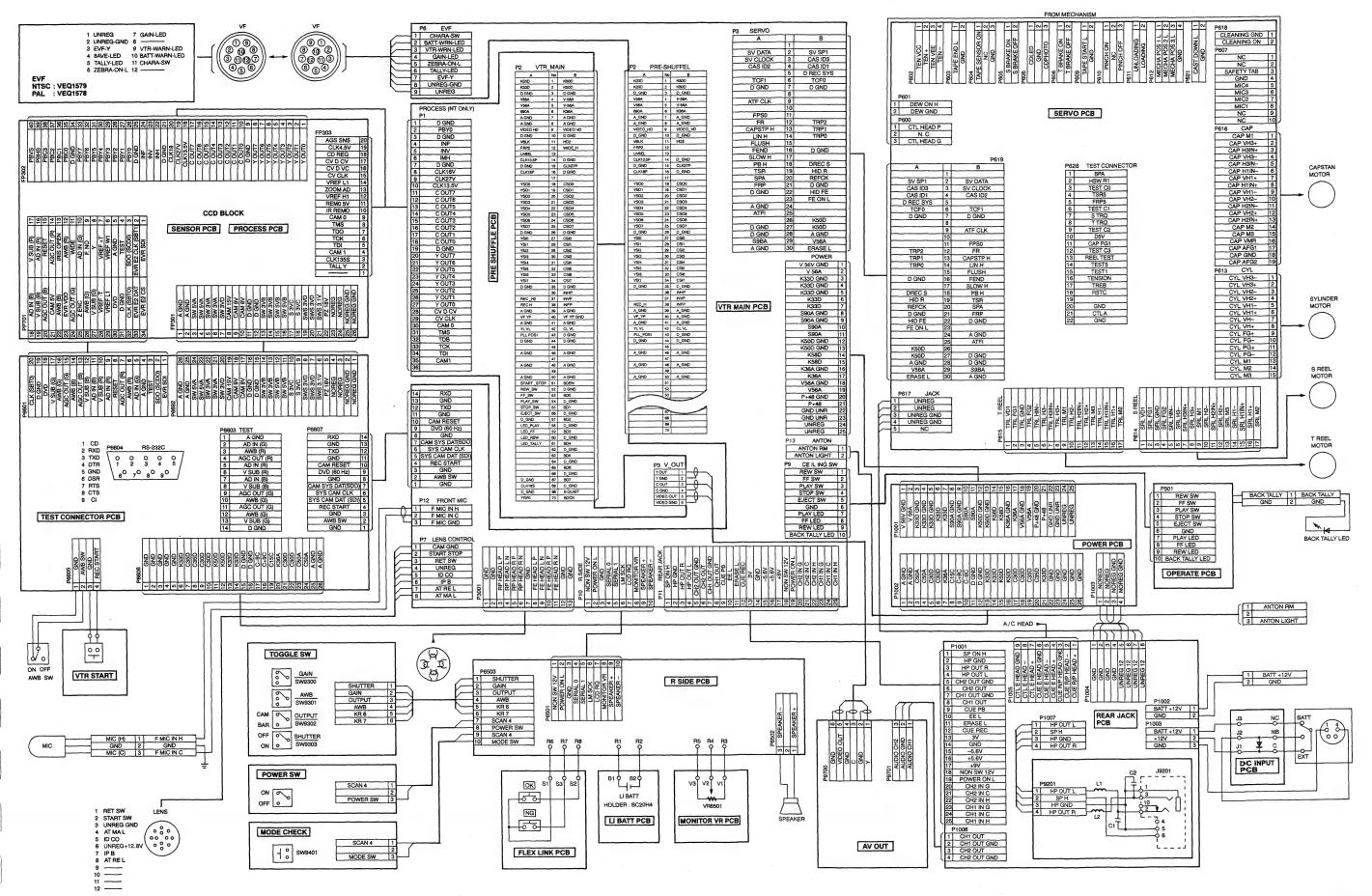
DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.

AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

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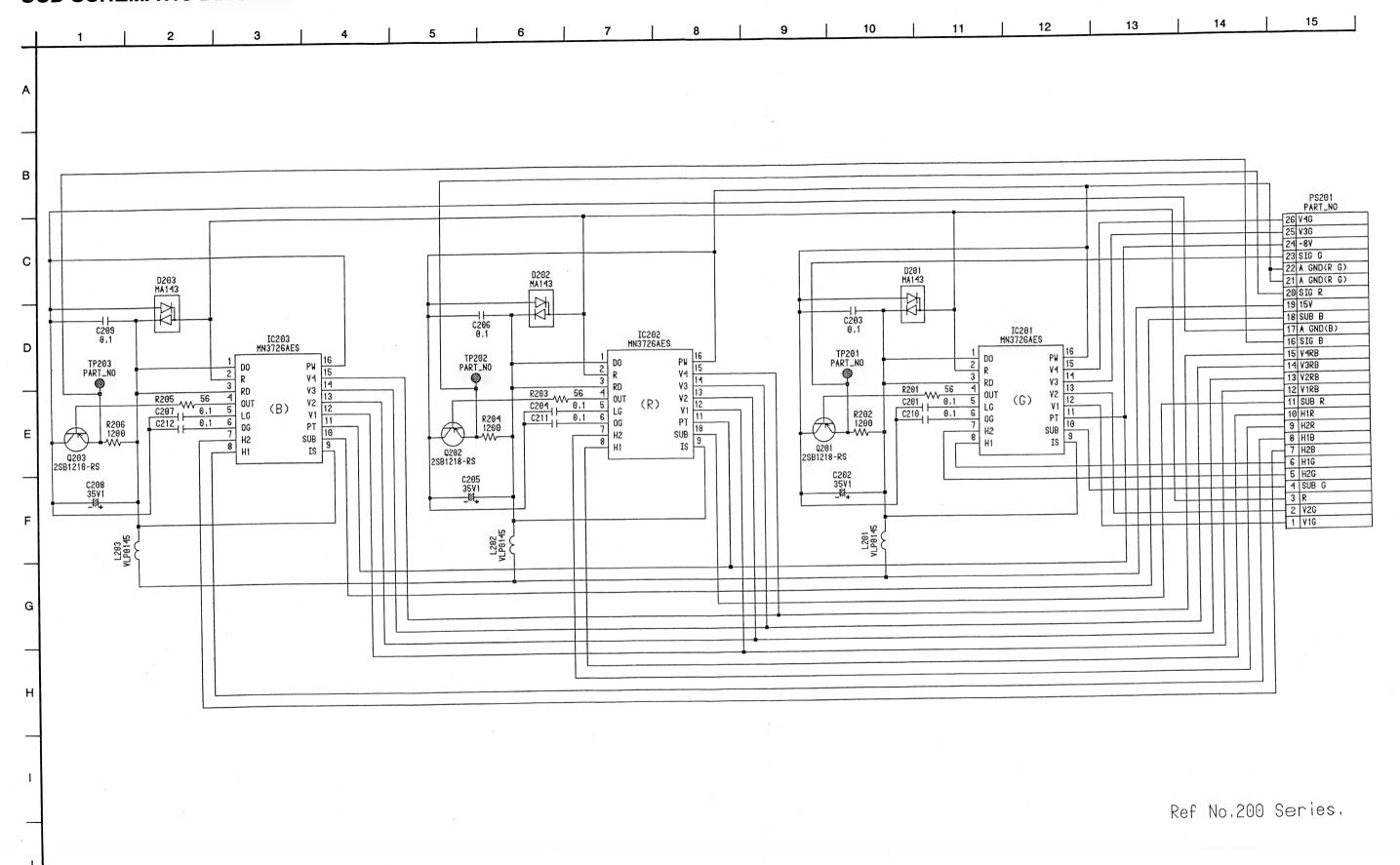
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OVERALL SCHEMATIC DIAGRAM

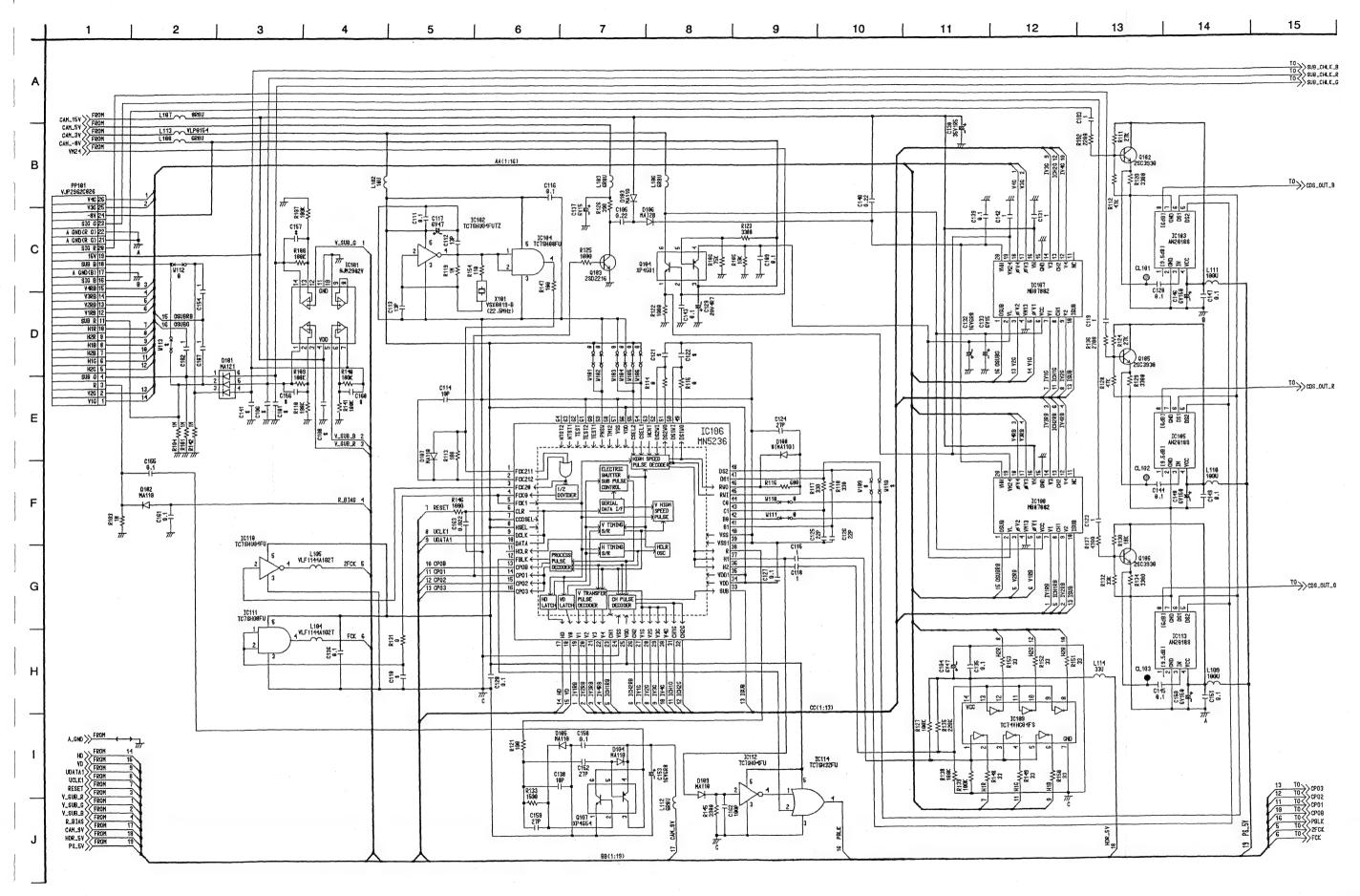


CCD SCHEMATIC DIAGRAM

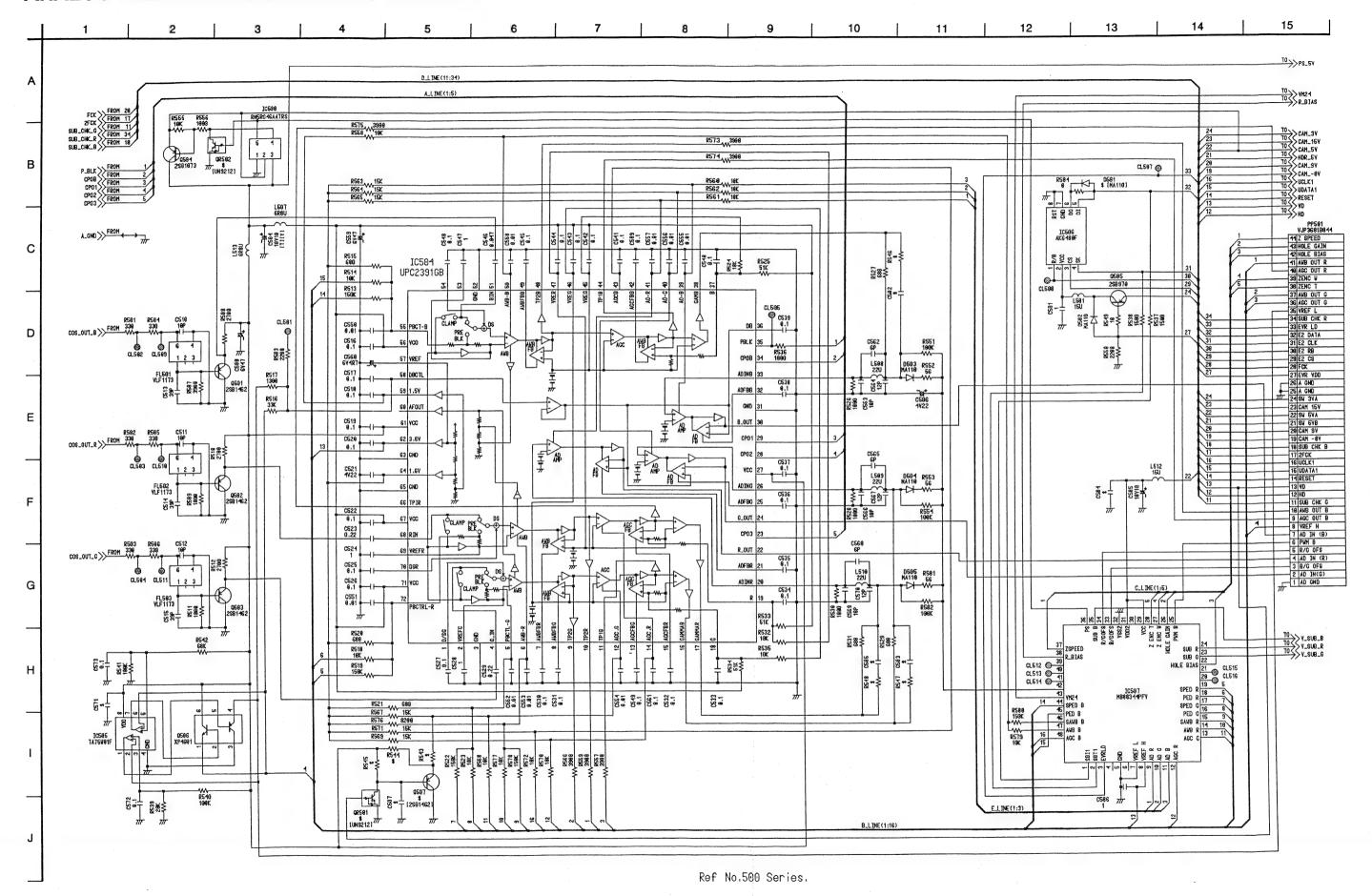
SCM-4



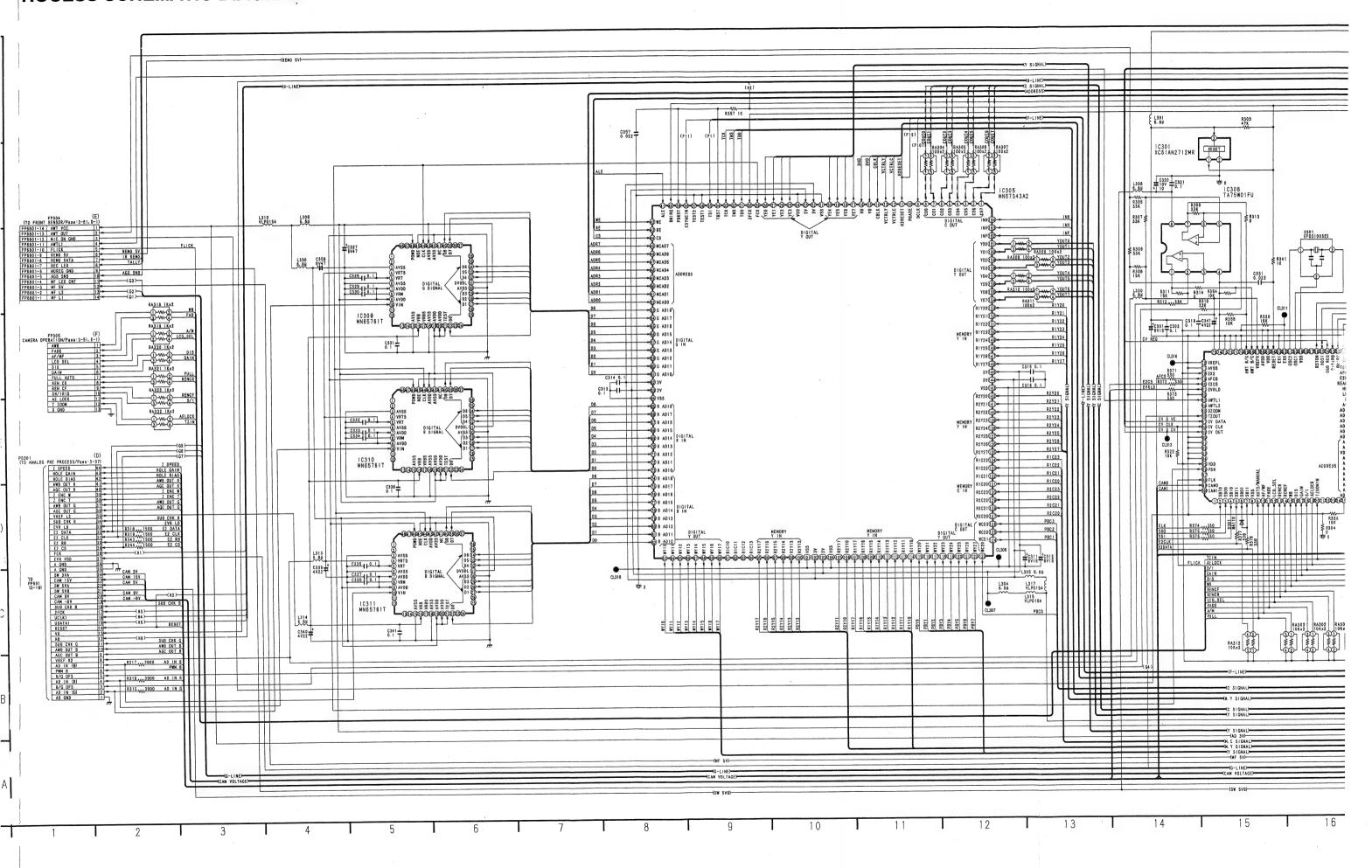
SENSOR SCHEMATIC DIAGRAM

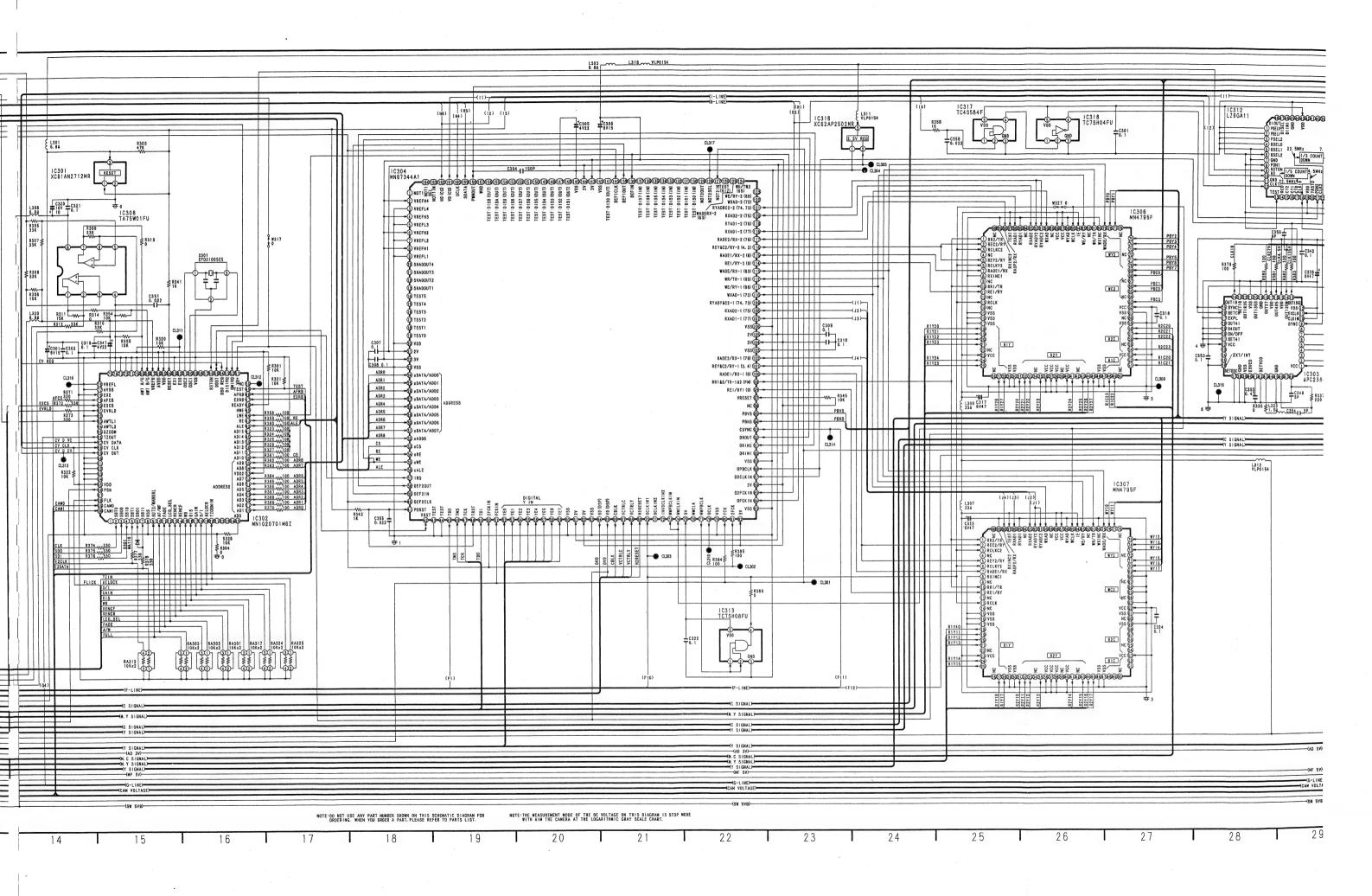


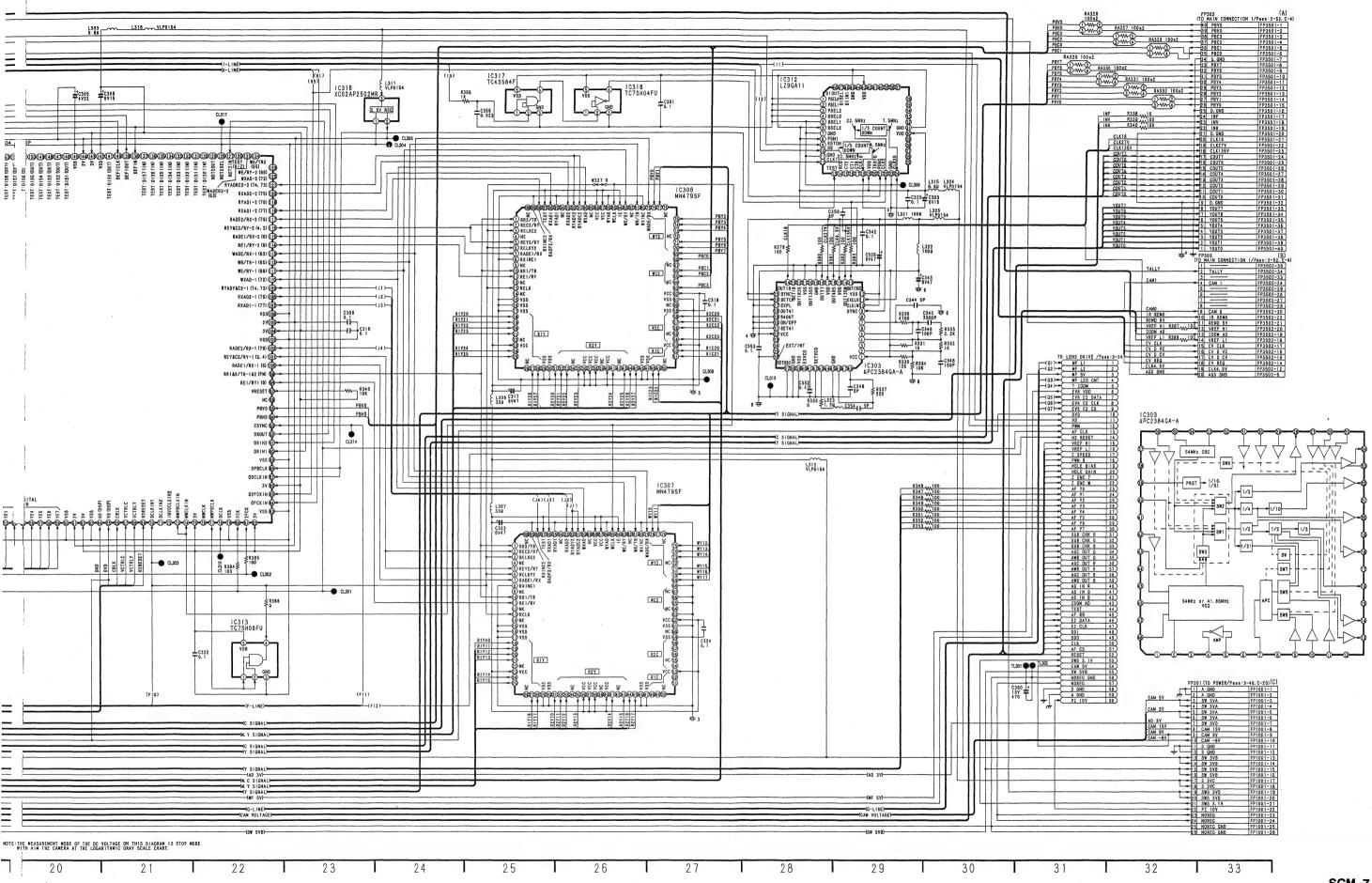
ANALOG PREPROCESS SCHEMATIC DIAGRAM



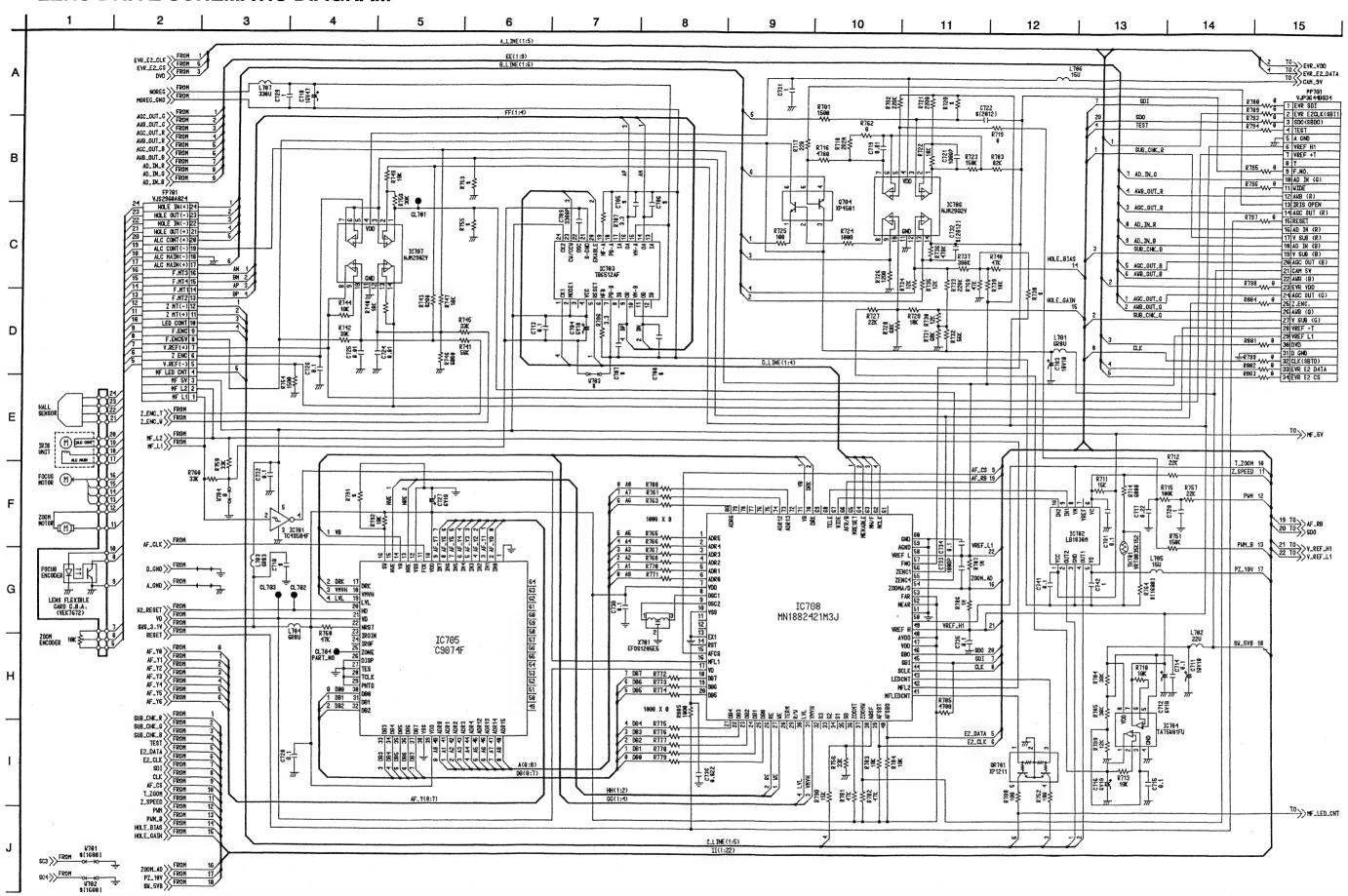
PROCESS SCHEMATIC DIAGRAM

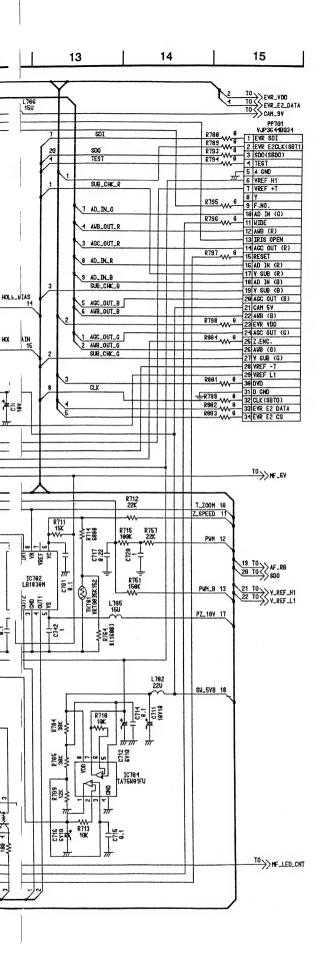




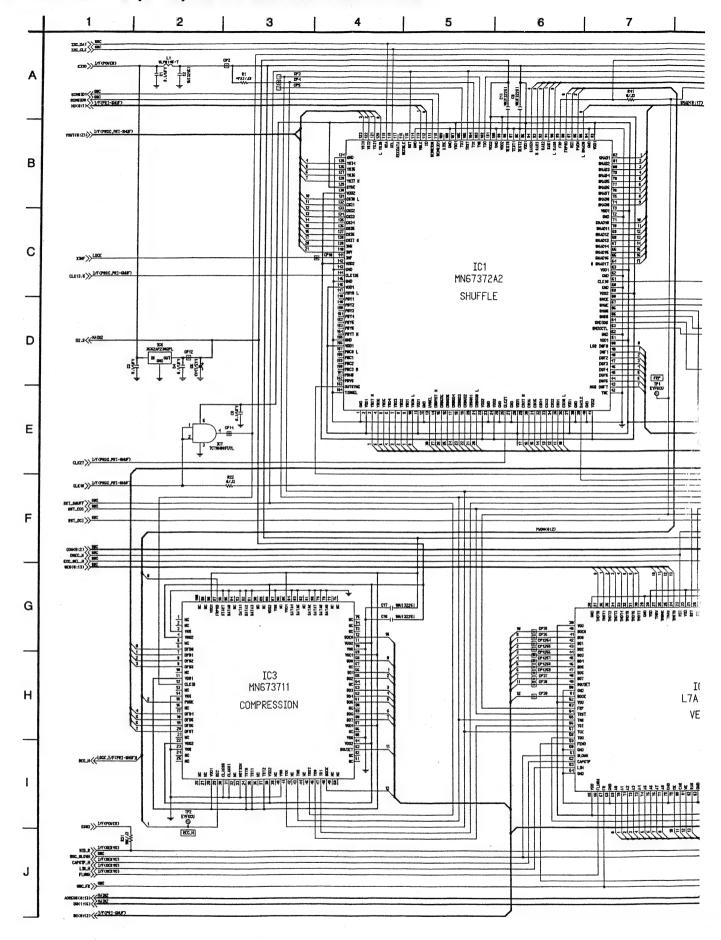


LENS DRIVE SCHEMATIC DIAGRAM

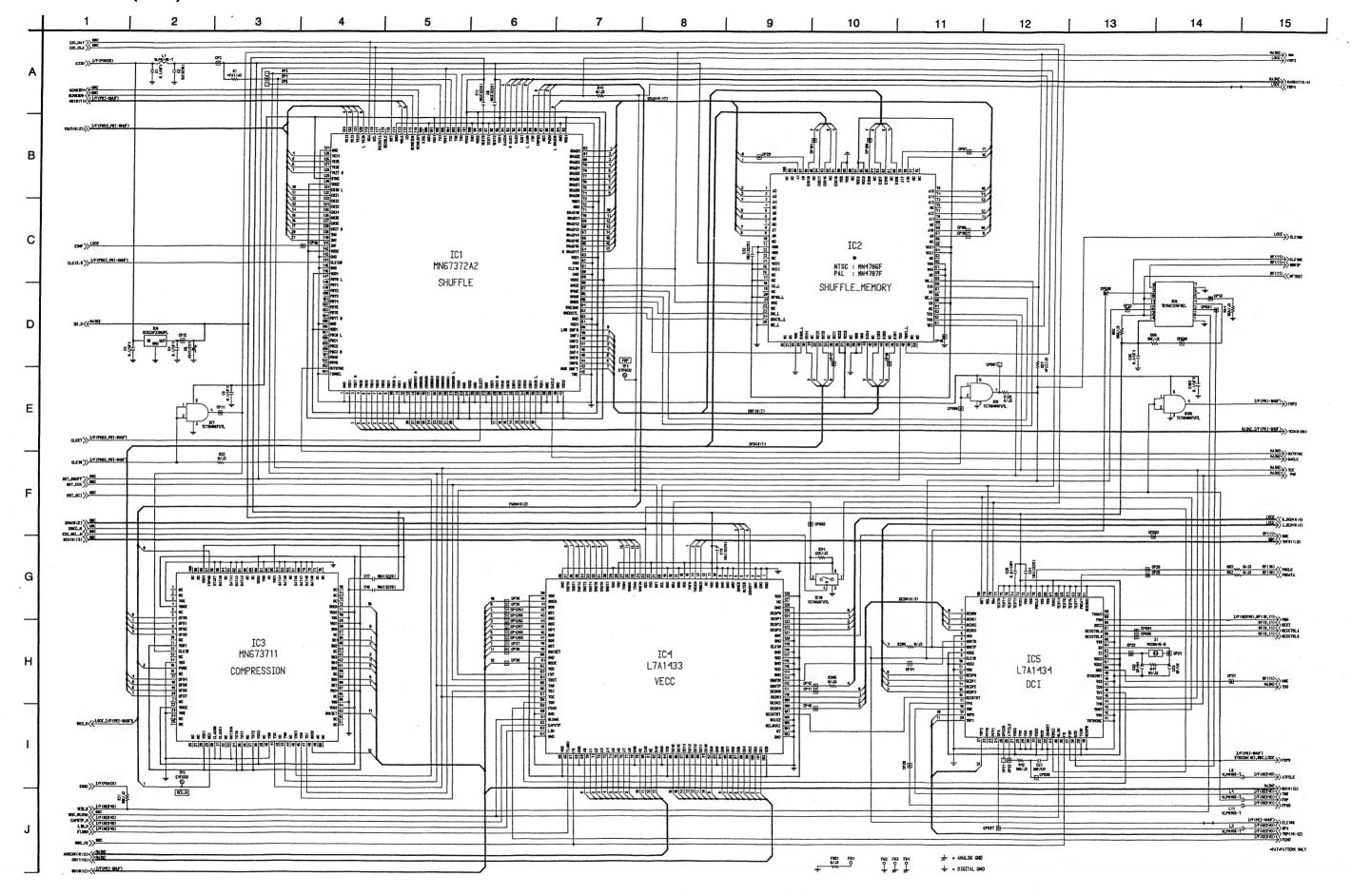




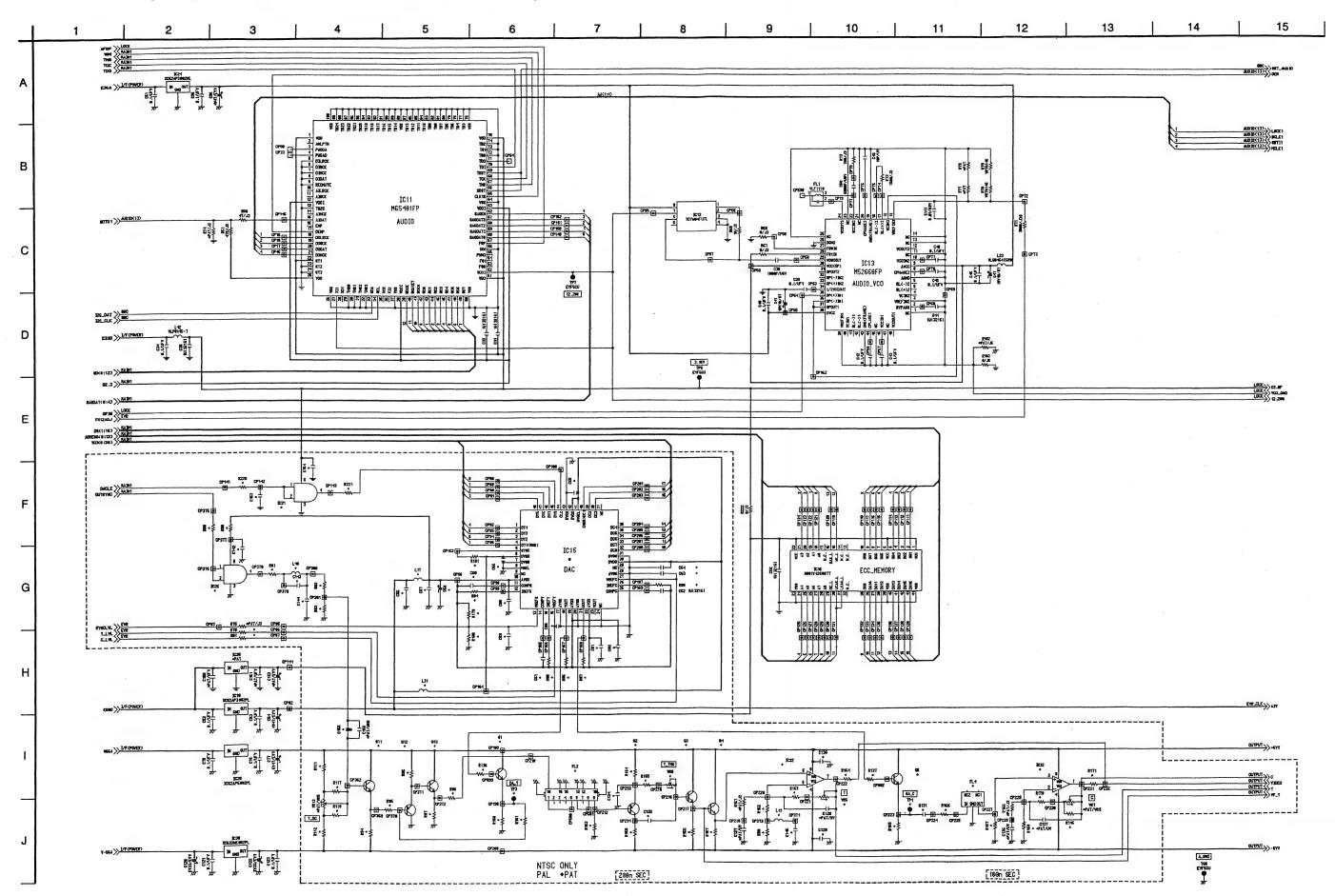
VIDEO MAIN (1/19) SCHEMATIC DIAGRAM



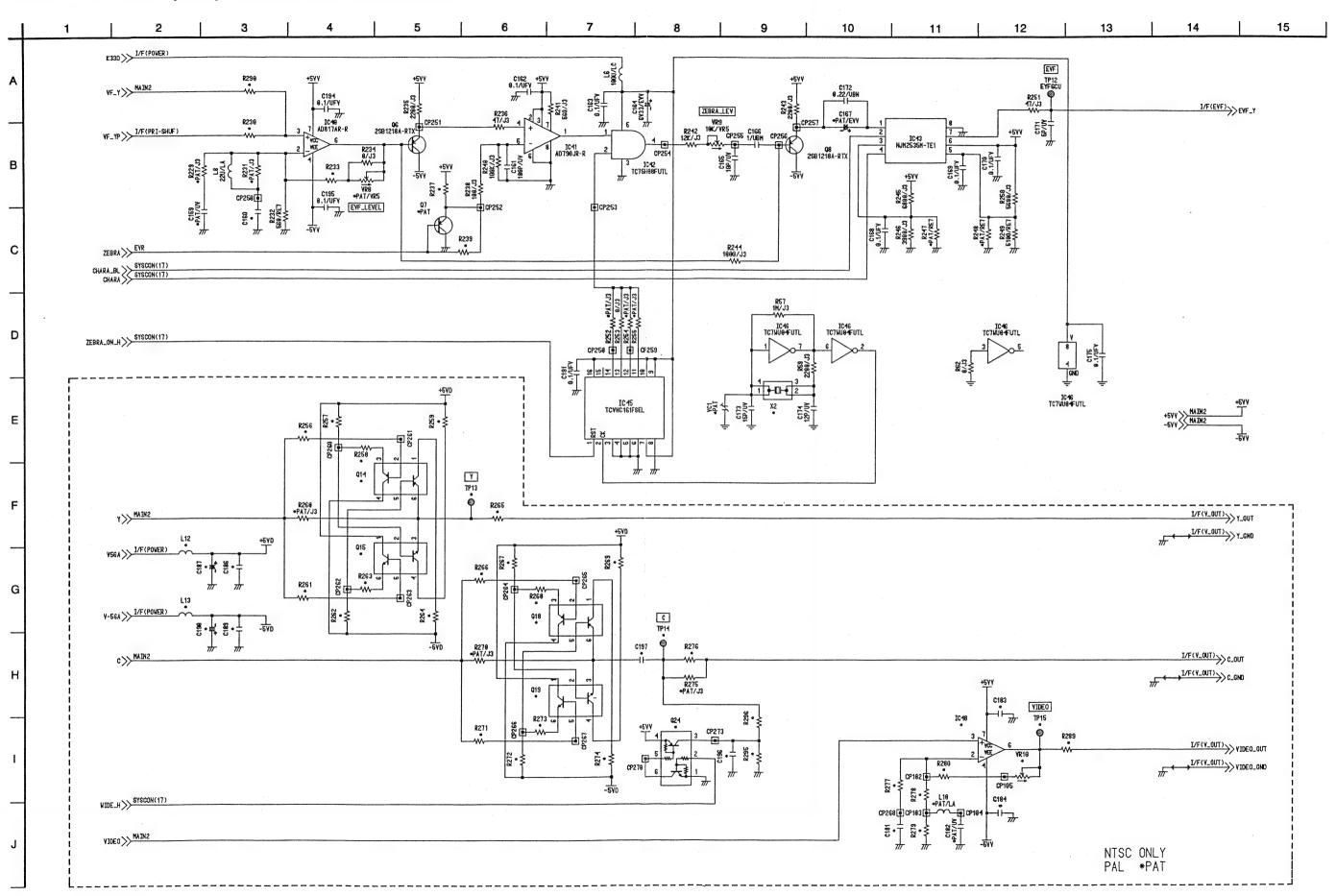
VIDEO MAIN (1/19) SCHEMATIC DIAGRAM



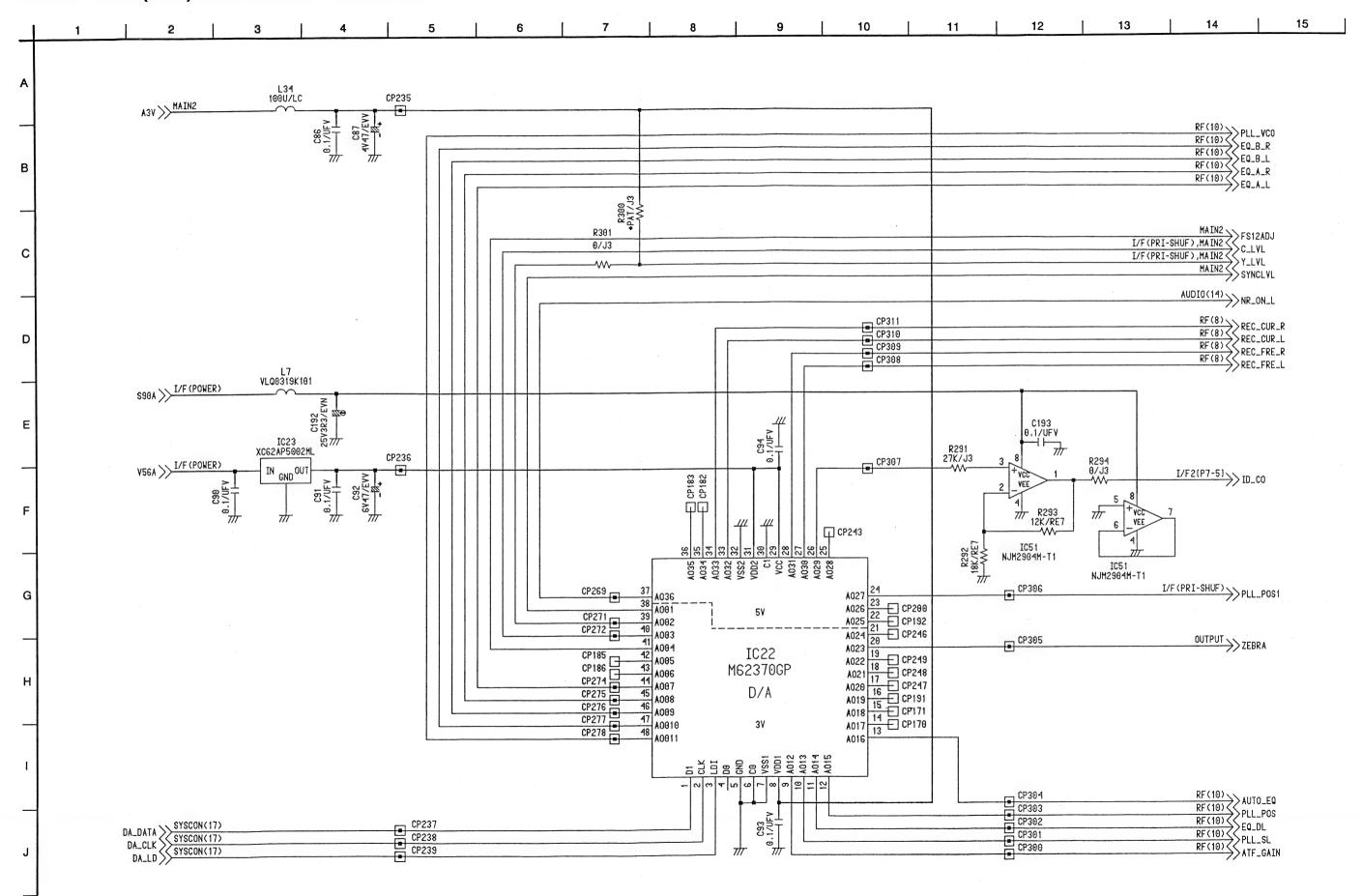
VIDEO MAIN (2/19) SCHEMATIC DIAGRAM



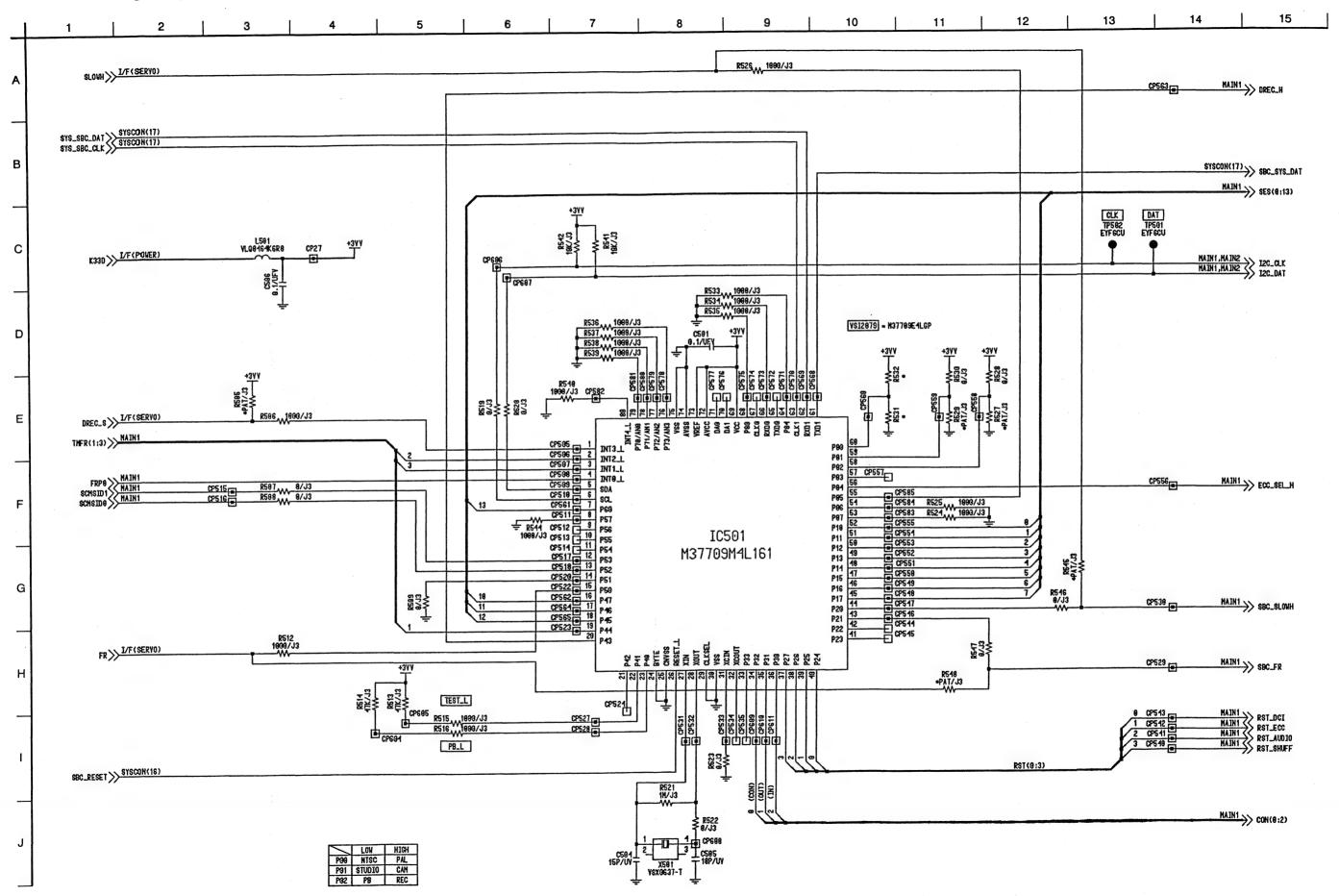
VIDEO OUTPUT (3/19) SCHEMATIC DIAGRAM



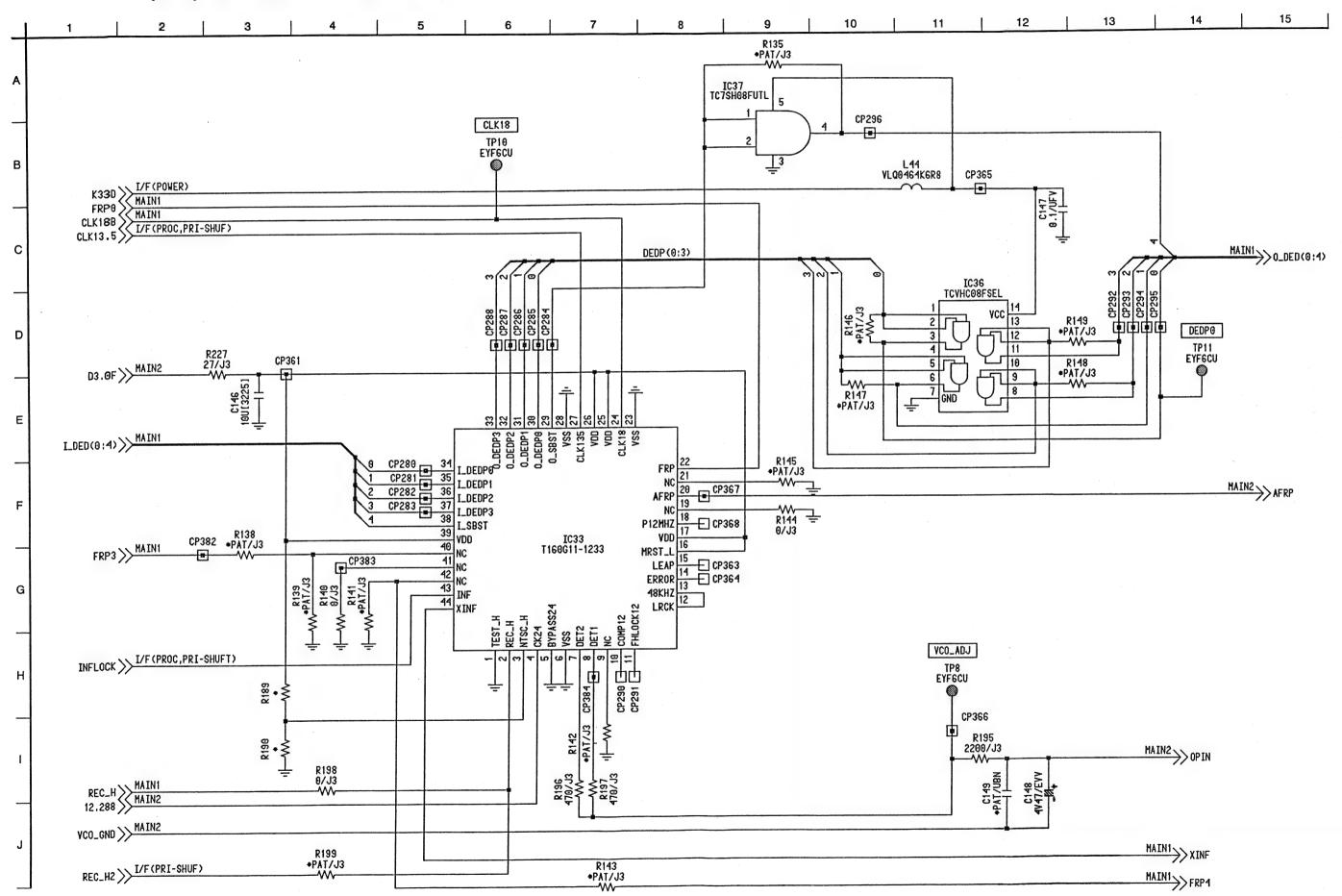
VIDEO EVR (4/19) SCHEMATIC DIAGRAM



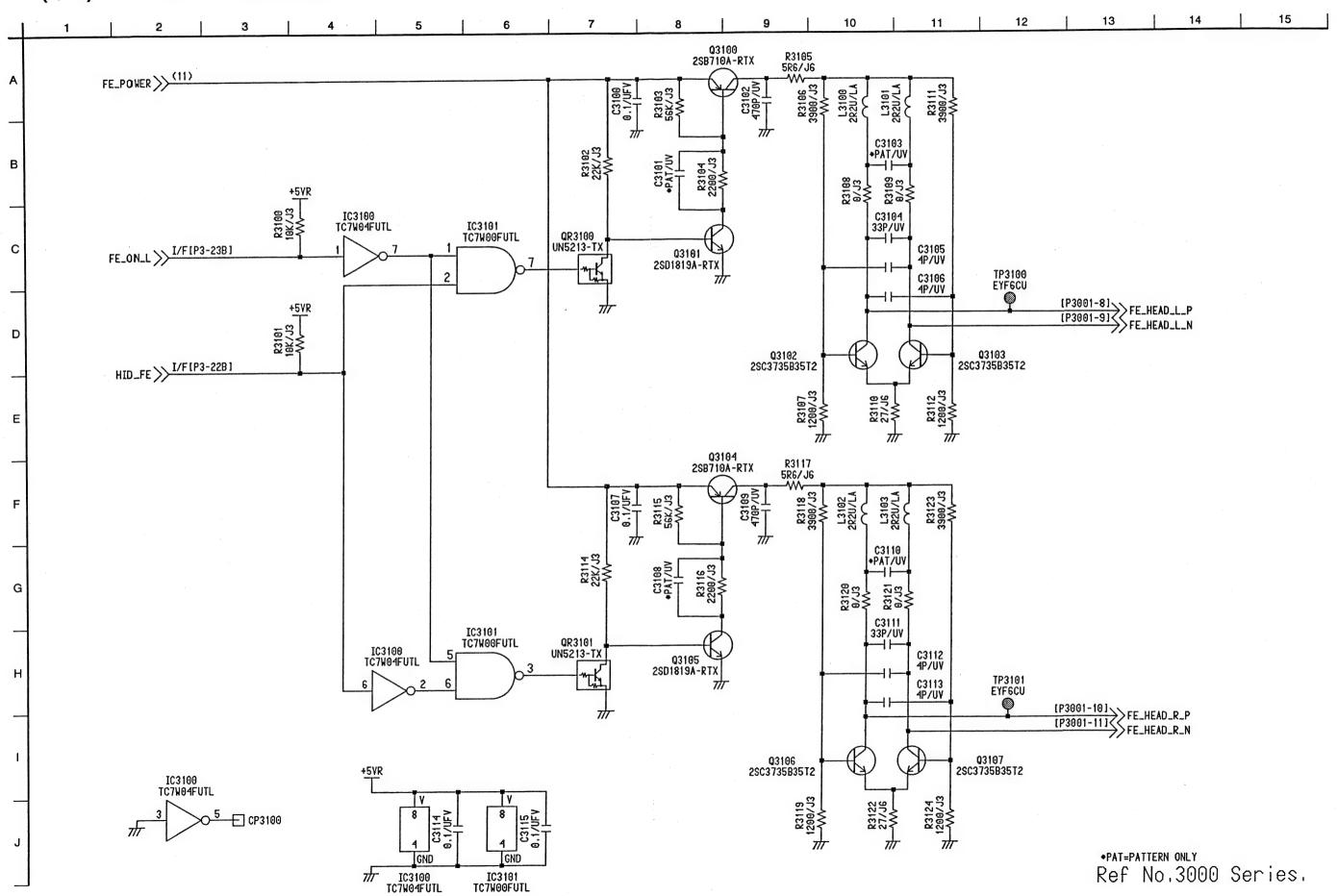
VIDEO SBC (5/19) SCHEMATIC DIAGRAM



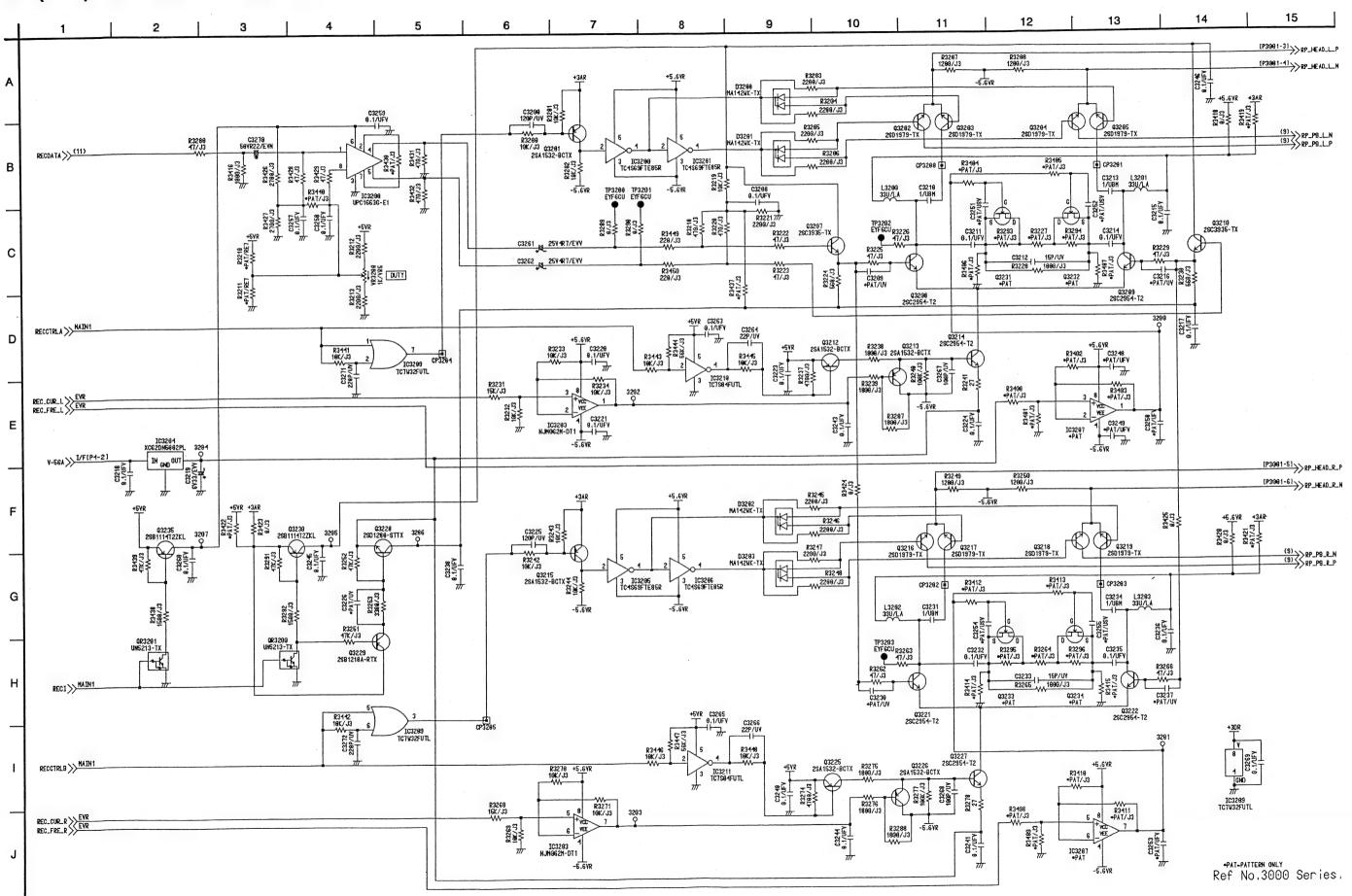
VIDEO LOCK (6/19) SCHEMATIC DIAGRAM



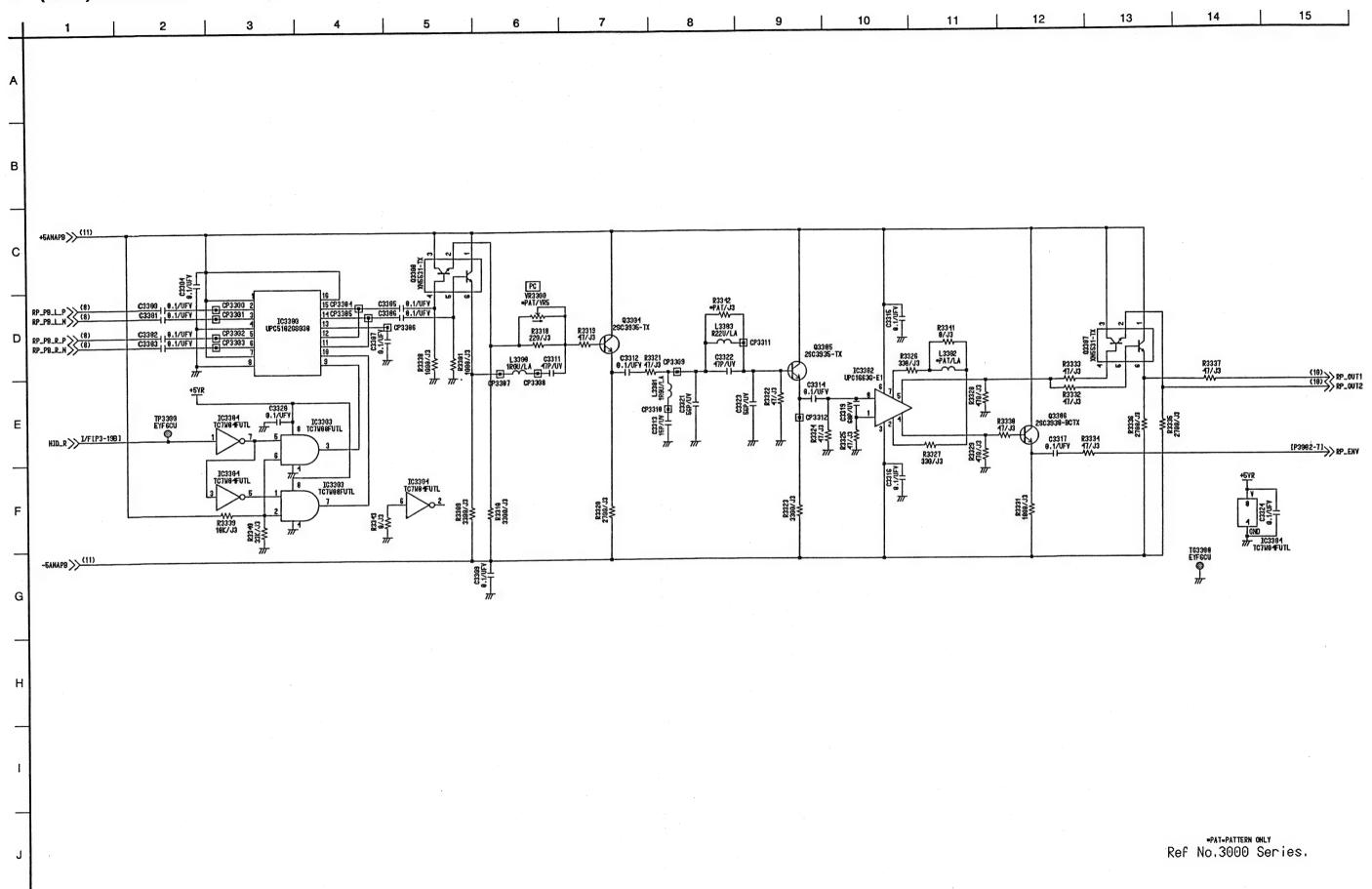
RF (7/19) SCHEMATIC DIAGRAM



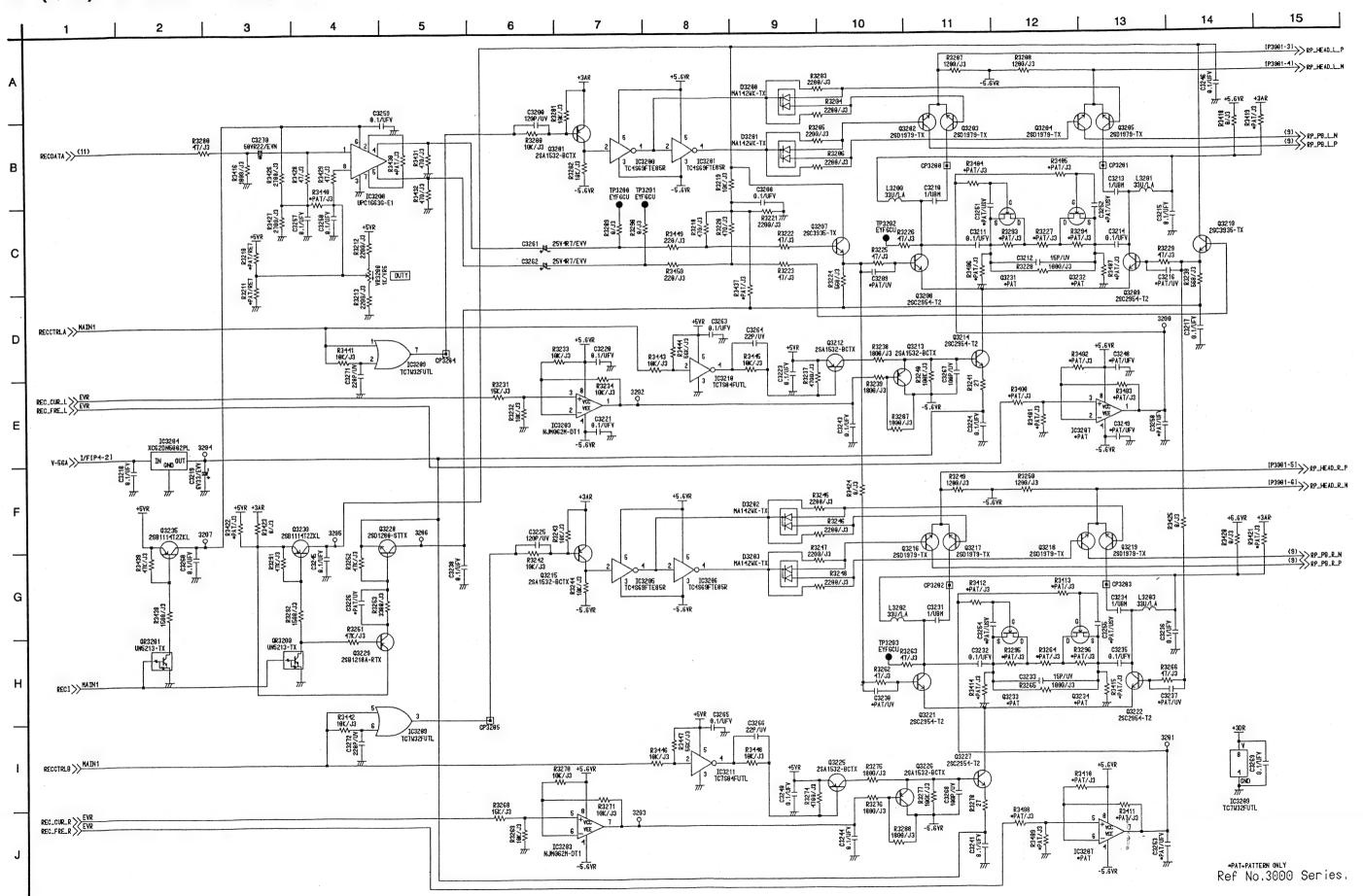
RF (8/19) SCHEMATIC DIAGRAM



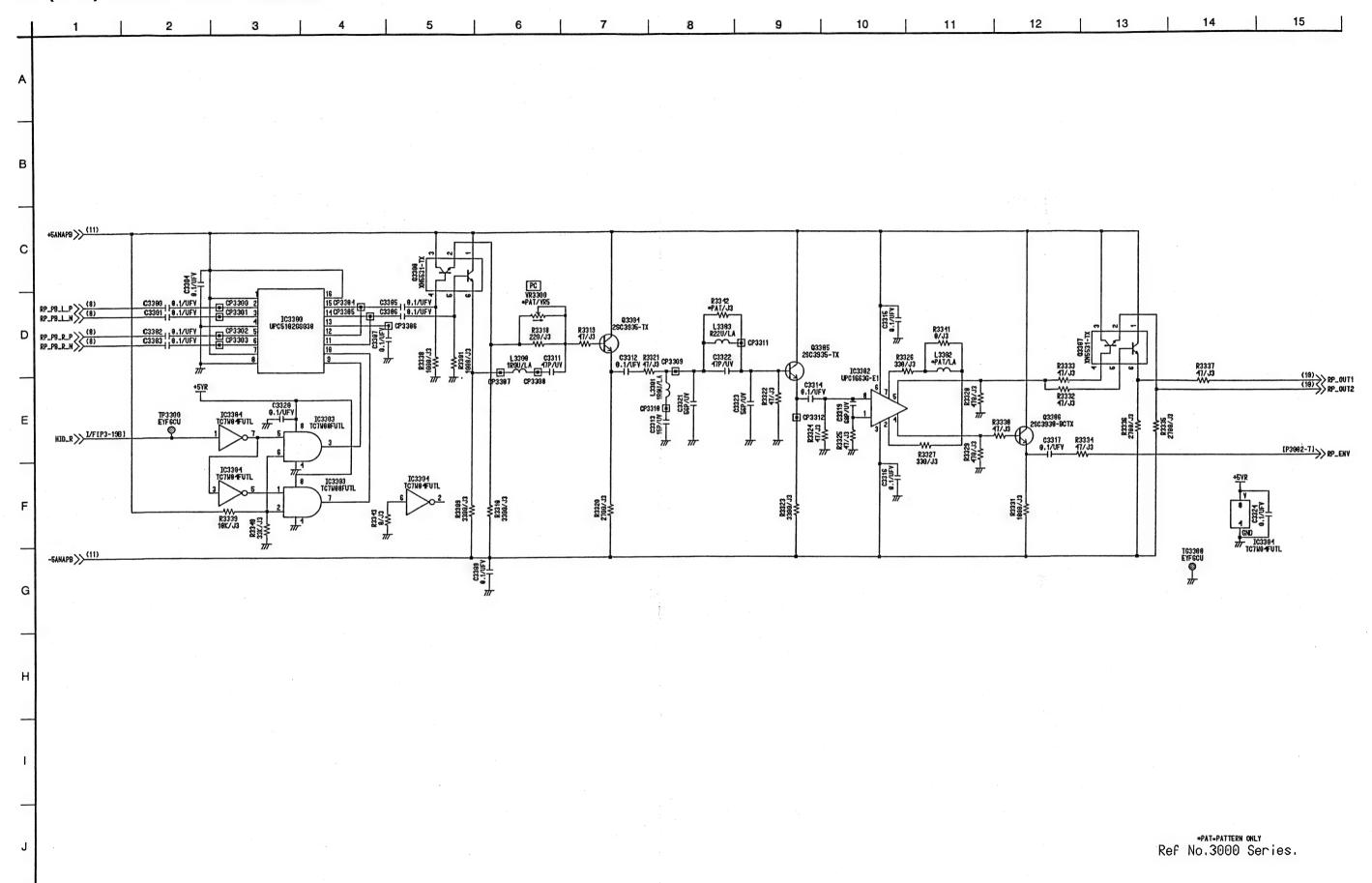
RF (9/19) SCHEMATIC DIAGRAM



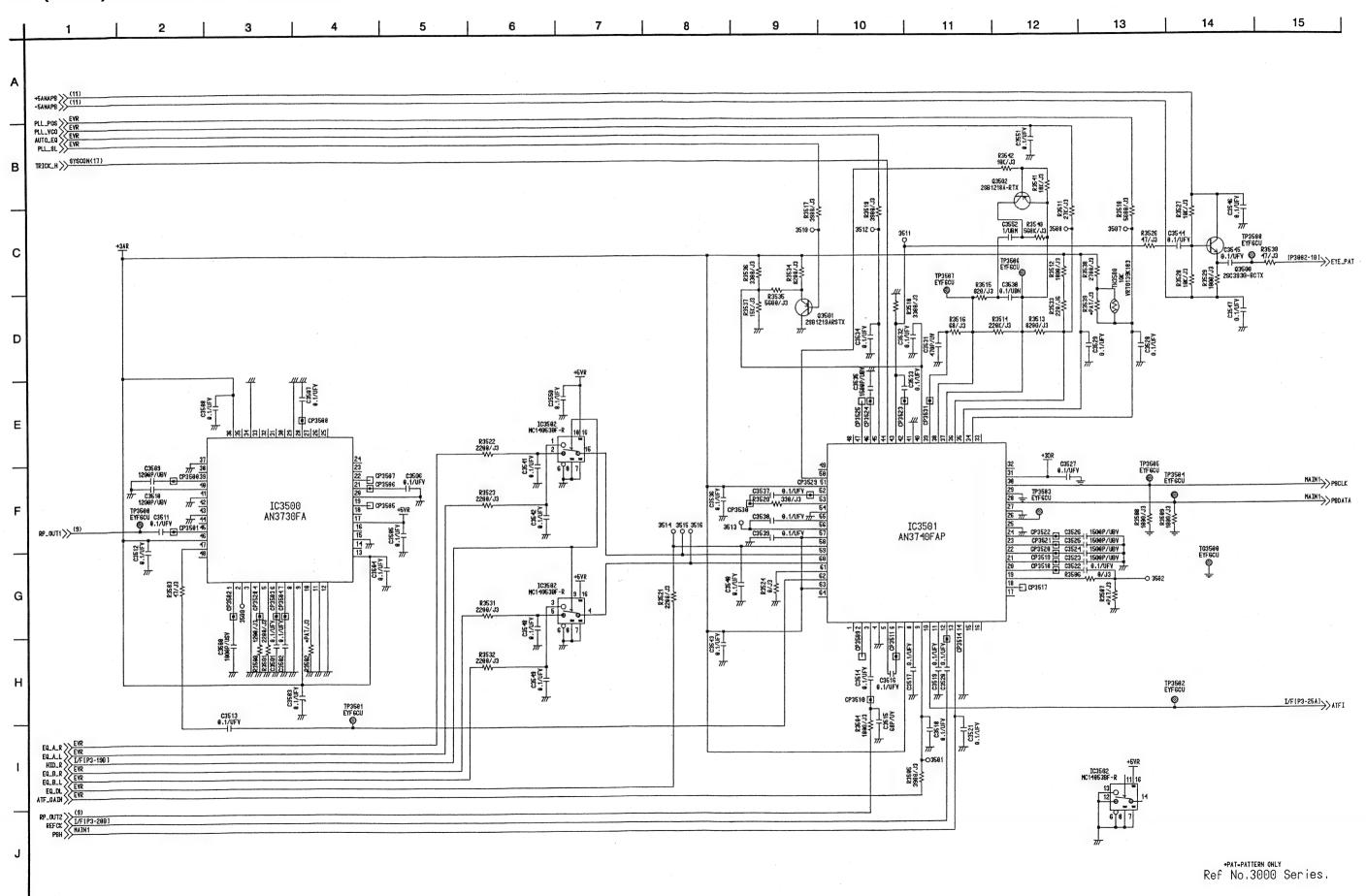
RF (8/19) SCHEMATIC DIAGRAM



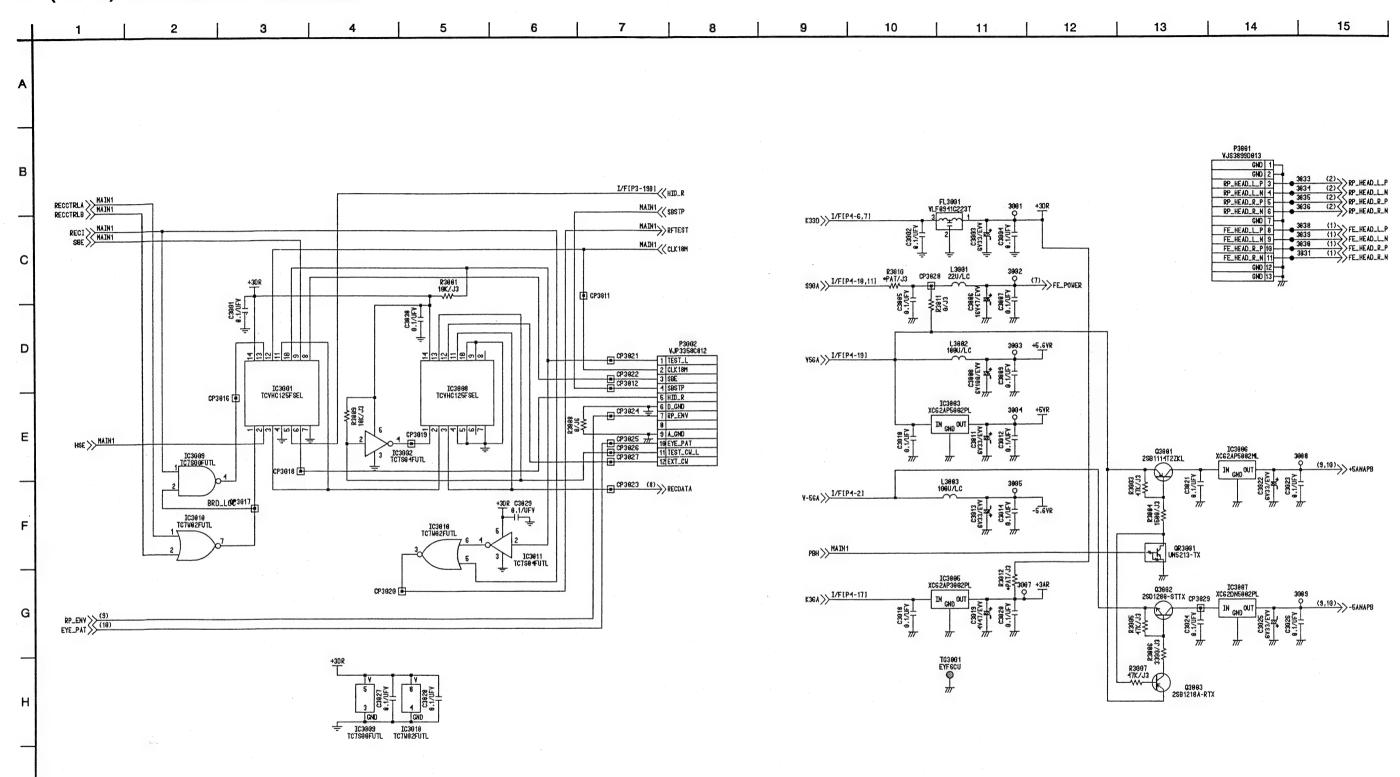
RF (9/19) SCHEMATIC DIAGRAM



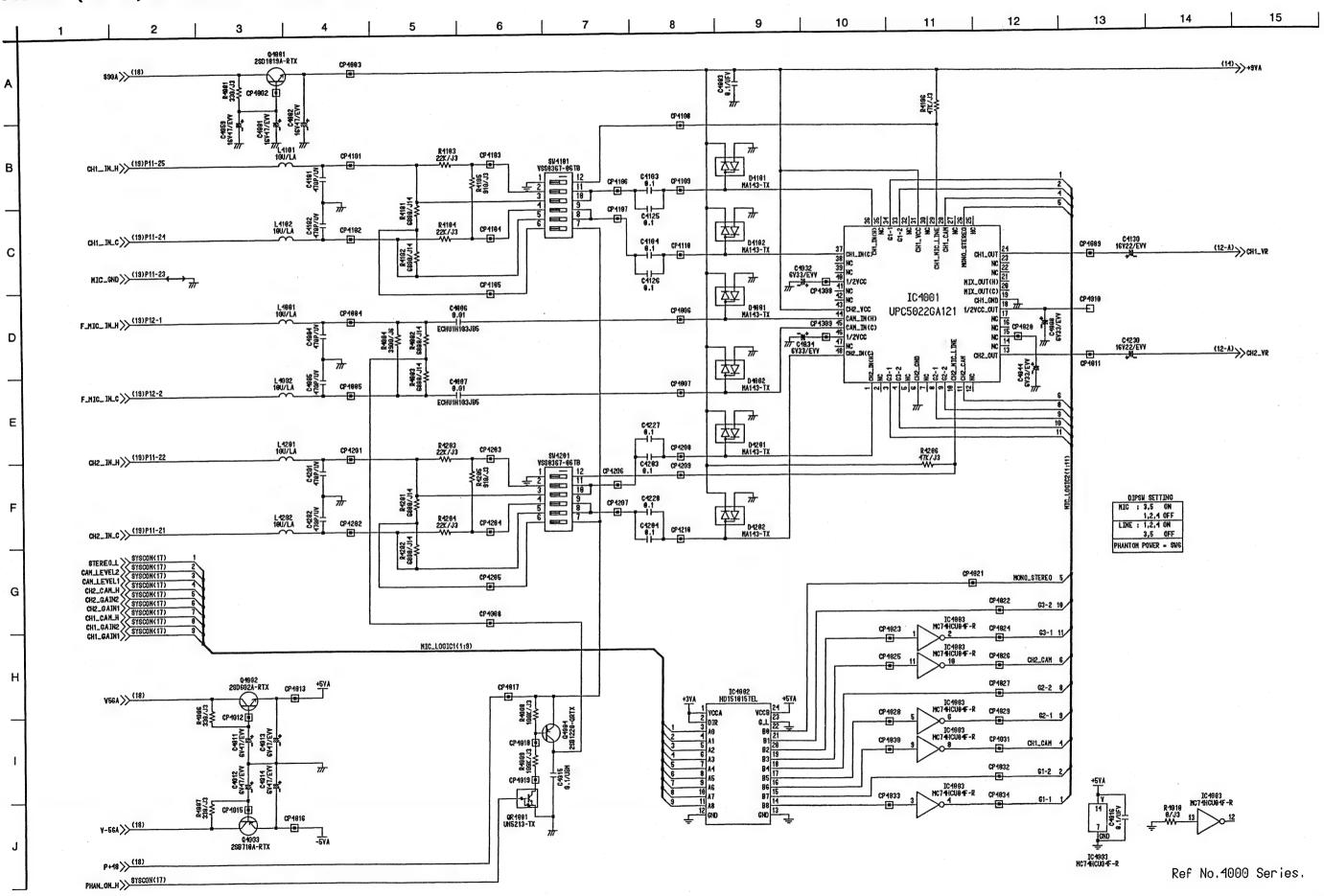
RF (10/19) SCHEMATIC DIAGRAM



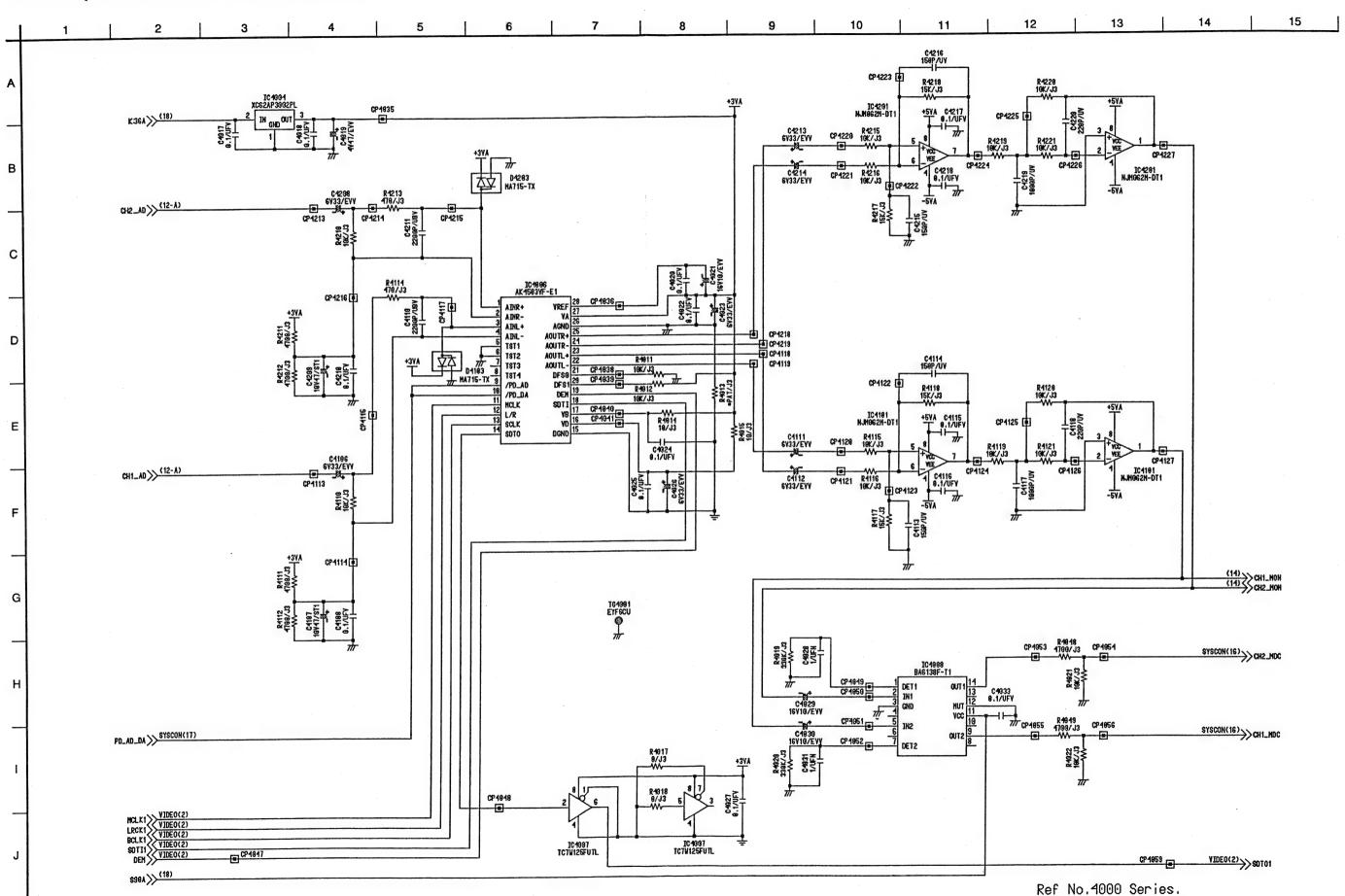
RF (11/19) SCHEMATIC DIAGRAM



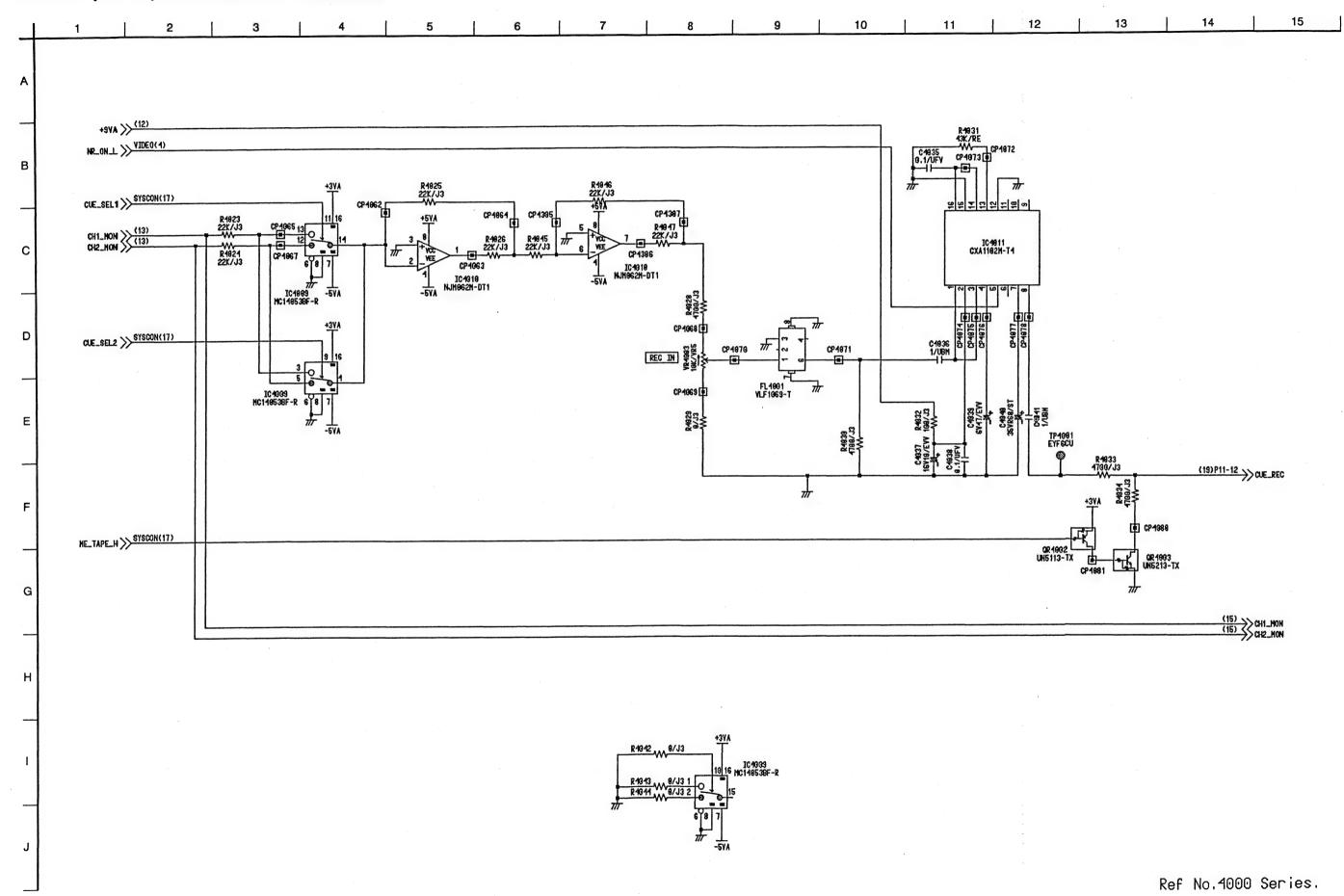
AUDIO (12/19) SCHEMATIC DIAGRAM



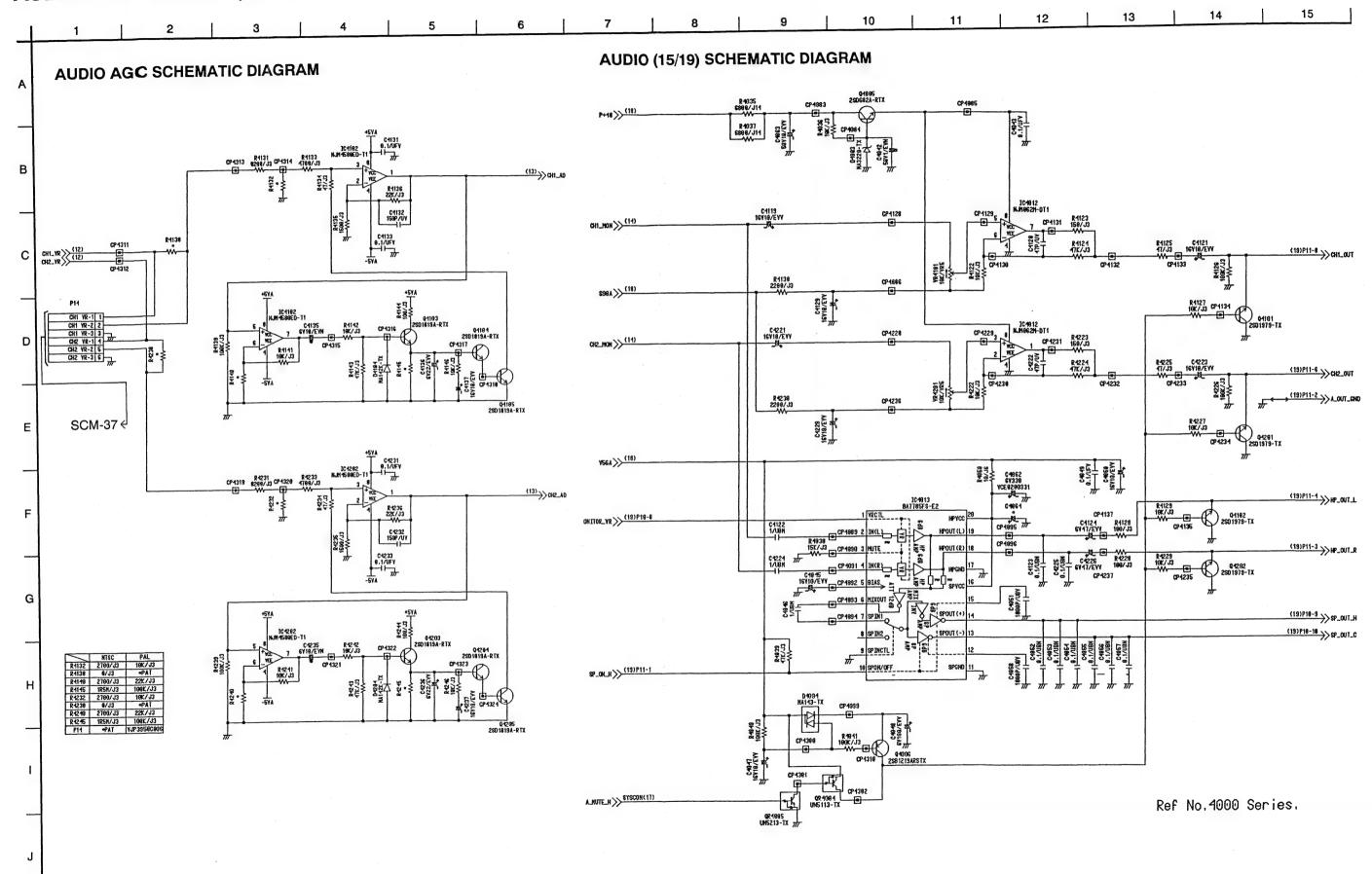
AUDIO (13/19) SCHEMATIC DIAGRAM



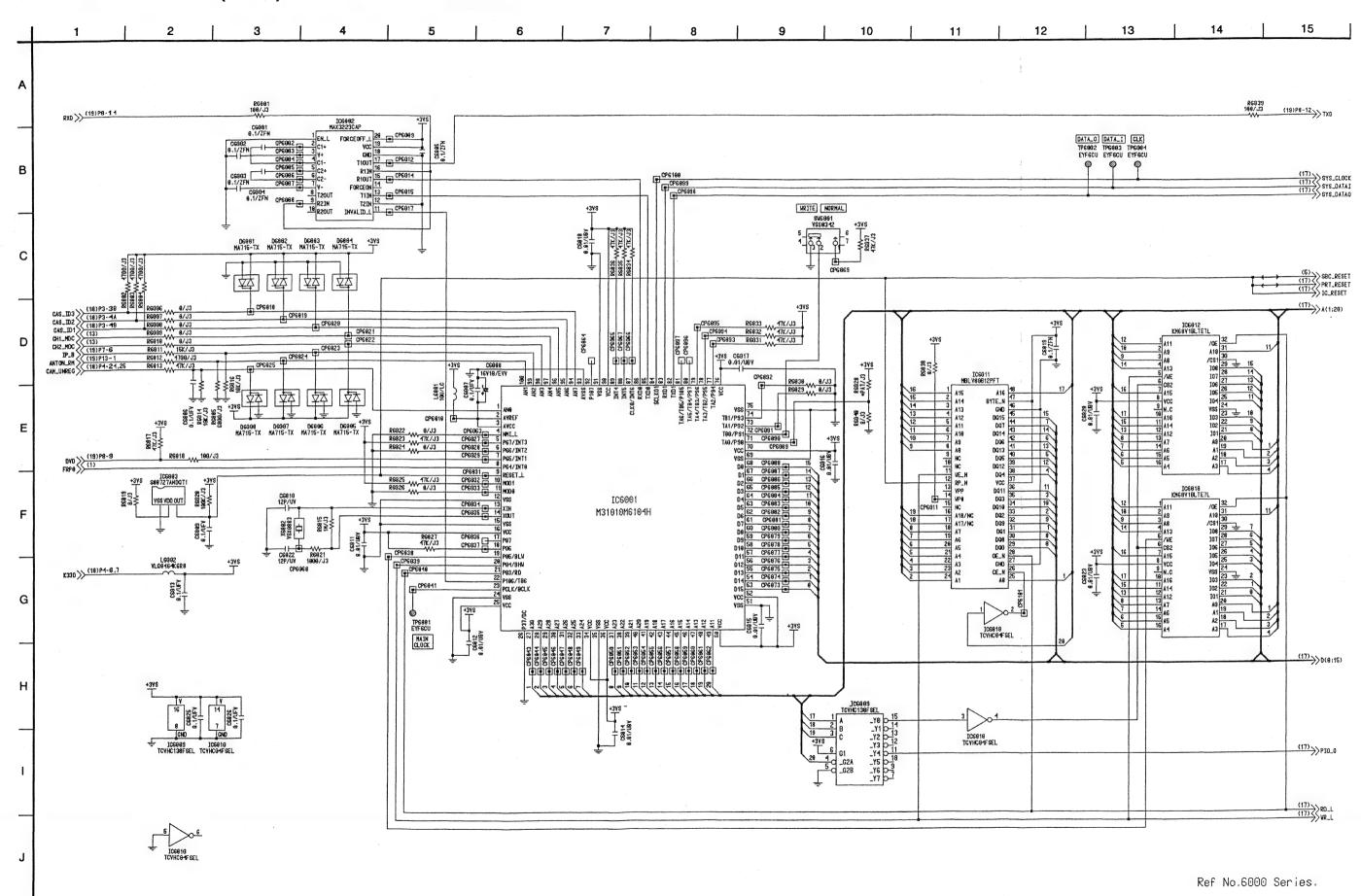
AUDIO (14/19) SCHEMATIC DIAGRAM



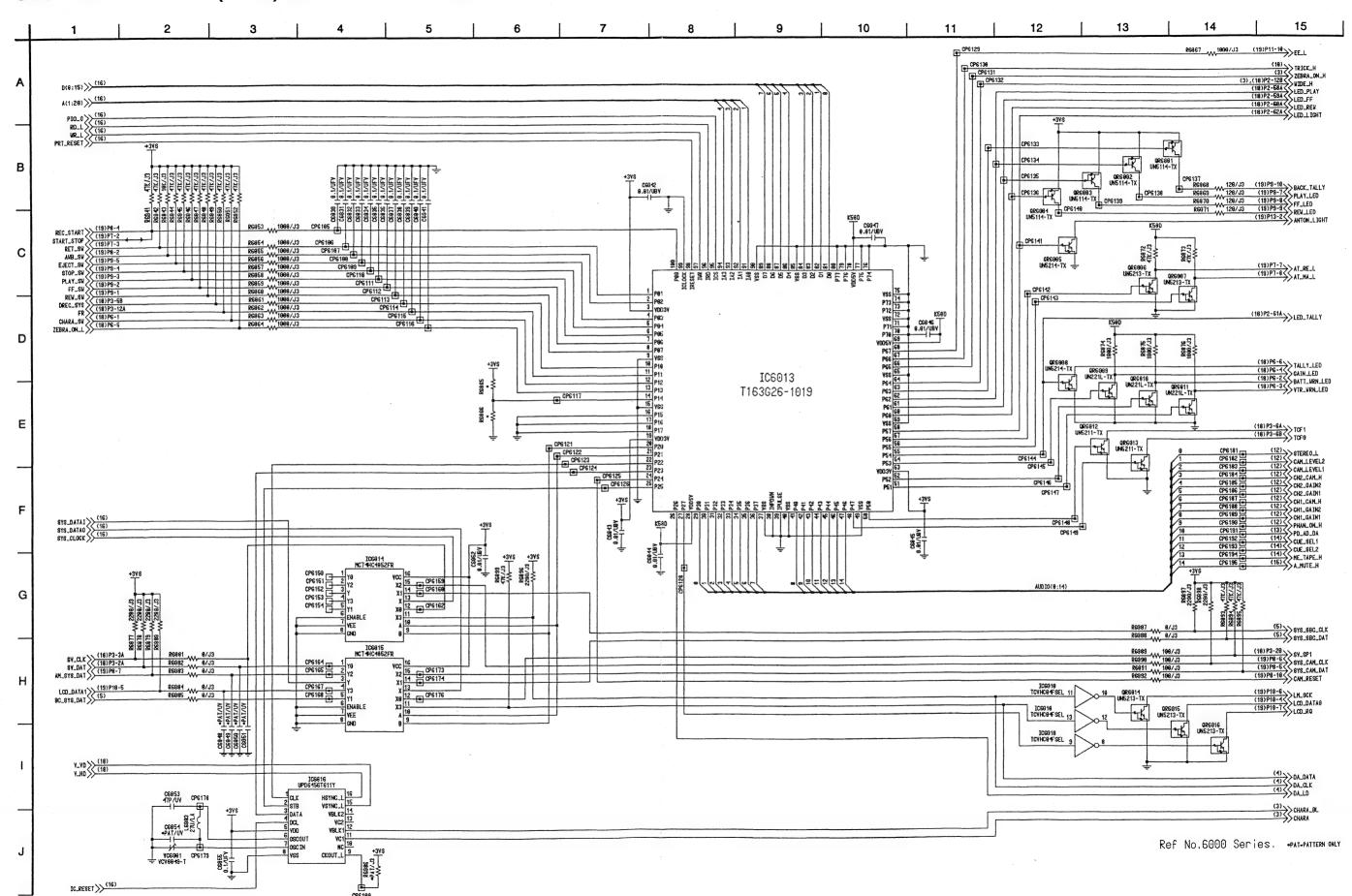
AUDIO AGC & AUDIO (15/19) SCHEMATIC DIAGRAM



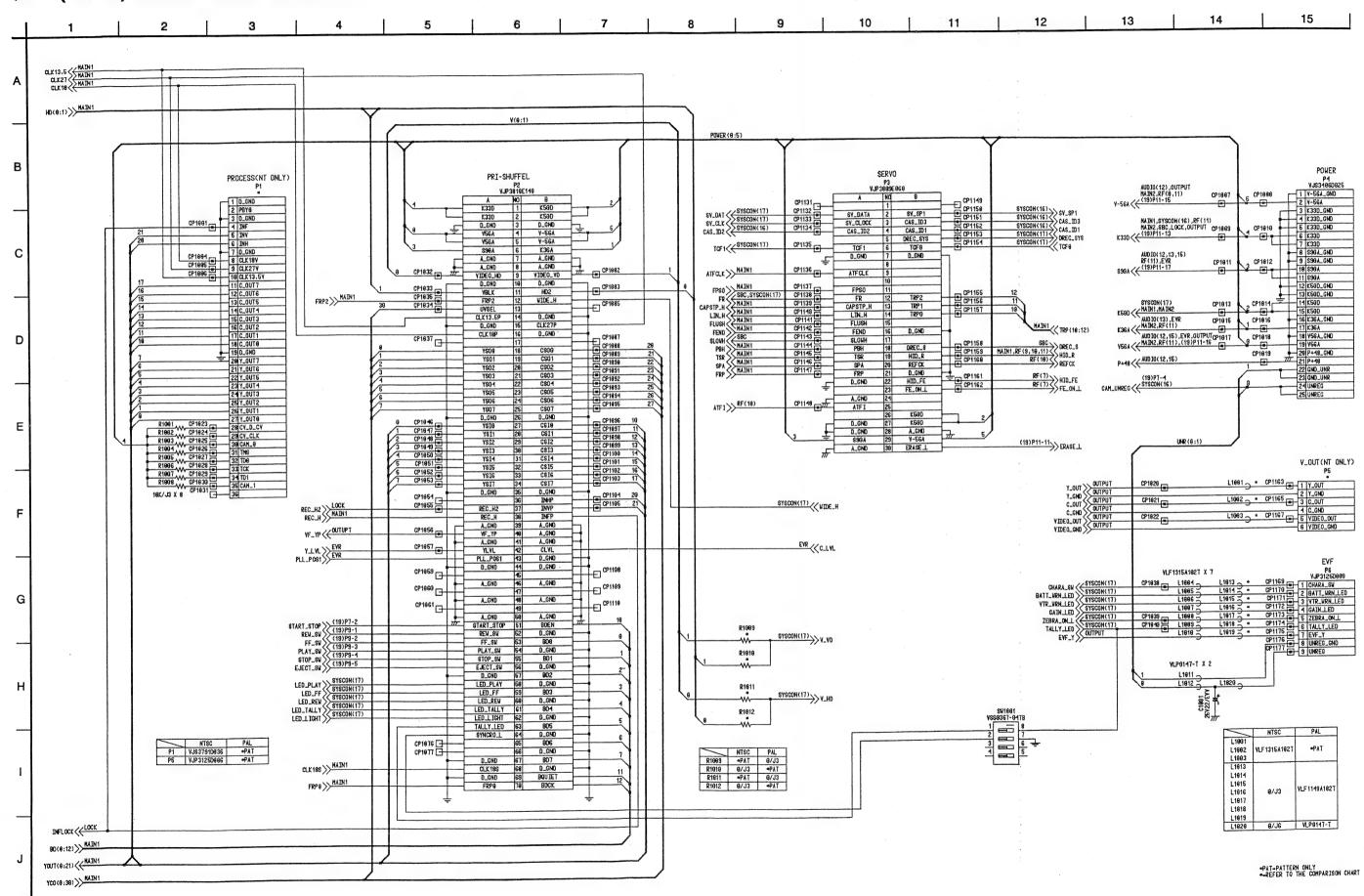
SYSTEM CONTROL (16/19) SCHEMATIC DIAGRAM



SYSTEM CONTROL (17/19) SCHEMATIC DIAGRAM



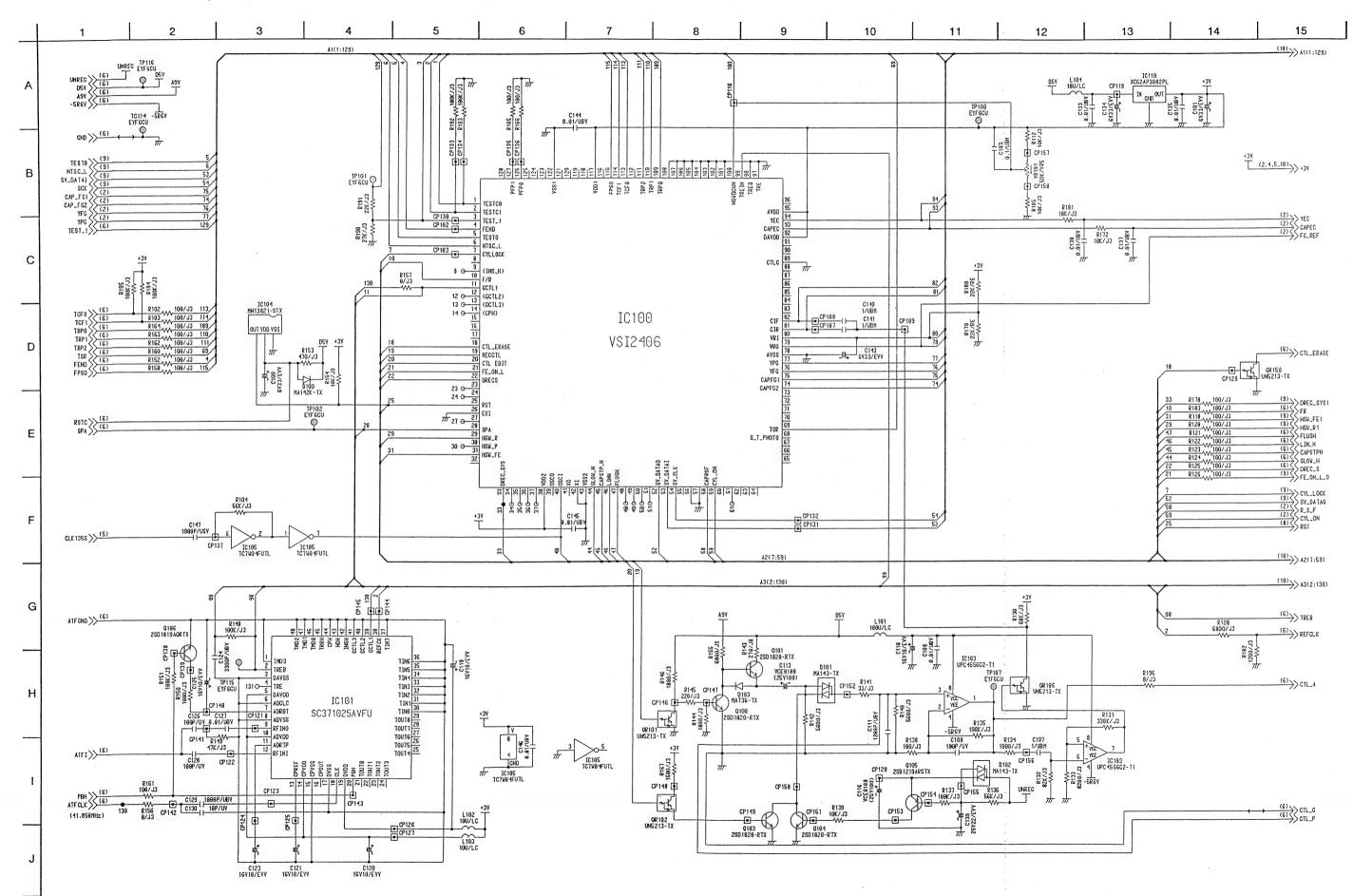
I/F-1 (18/19) SCHEMATIC DIAGRAM



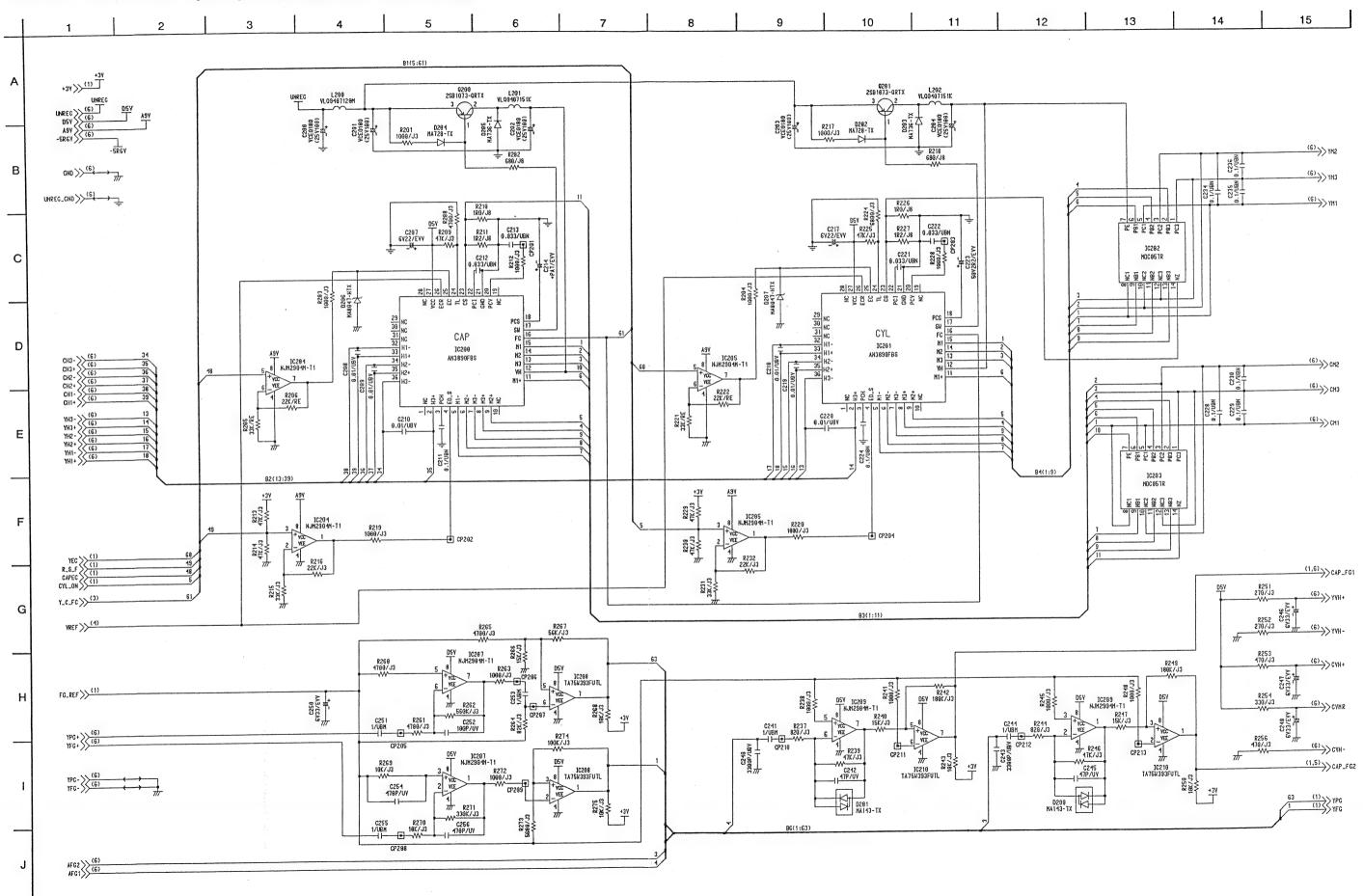
I/F-2 (19/19) SCHEMATIC DIAGRAM

_ 1	1 2 3	4 5 6	7 8	9 10	11	12 13	14 15
A	LENS_CONTROL PJ7 P	AMB ACOM. PR Y.KS34650914 1 GND 2 AMB.SN 3 GND REC_START (117) CP1217 5 5 SYS_CAM_CDL STS_CAM_CDL (117) CP1218 5 5 SYS_CAM_DDLY(SDL STS_CAM_CDL (117) CP1218 5 6 SYS_CAM_CDL (117) CP1218 5 7 CM_STS_DAT(SDL CAM_STS_DAT (117) CP1221 5 1 1 GMD CAM_STS_DAT (118) CP1222 5 1 1 GMD RXD (116) CP1222 5 1 1 GMD RXD (116) CP1223 5 1 1 GMD RXD (116) CP1223 5 1 1 GMD RXD (116) CP1223 5 1 1 GMD RXD (117) CP1221 5 1 1 GMD RXD (118) CP1223 5 1 1 GMD RXD (118) CP1224 5 TMD RXD RXD (118) CP1224 5 TMD RXD RXD (118) CP1224 5 TMD RXD RXD RXD (118) CP1224 5 TMD RXD RXD RXD RXD (118) CP1224 5 TMD RXD RXD RXD RXD RXD RXD RXD R	PEV_SN (17,18) FF_SN (17,18) PLAY_SN (17,18) PLAY_ED (17,18) EJECI_SN (17,18) PLAY_LED (17) FF_LED (17) REV_LED (17) BACK_TALLY (17)	CEILING SN P3 V.P31250010 CP1241	SREF\$ NTSC	0.01/UBV 1.014 0./J3 VLF1149A 27P/UV 1.015 0./J3 VLF1149A 0./J3 VLF1149A 0./J5 VLF1149A 0./J5 VLF1149A 0./J5 VLF1149A 0./J5 VLF1149A 0./J5 VLF1149A 15P/UV 1.018 0./J3 VLF1149A 150P/UV 1.019 0./J3 VLF1149A 0./J5 VLF1149A 0.2/UBN 1.020 0./J6 VLP0147 0.2/UBN 1.0302 *PAT/LA *PAT/LA *PAT/LA *PAT/LA VLP0147	A 39U/LA A 22U/LA VLF1315A102T VLF1315A102T VLF1315A102T VLF1145A102T IS2T VLF1149A182T ISZ VLF149A182T ISZ VLF1149A182T ISZ VLF1
С	D. O.D.E.				C159	10P/UV	T XN4501-TX T XN4401-TX T XN4401-TX T XN4401-TX T ZSB1218A-RTX T XP4312-TX T ZSD1819A-RTX
D	R.SIDE P18 CP1286	REAR JACK P11 SP_ON_H (15)	F_MIC_IILH (<12) F_MIC_IILC ((12)	FRONT MIC P12 CP1259 CP1251 T F_MIC_DILH 2 F_MIC_DILC 3 F_MIC_GND	C187 6V33/EVV PAT/EVV C189 0.1/UFV PAT/EVV C190 6V33/EVV PAT/UFV C190 6V33/EVV PAT/UFV C196 0.1/UFV PAT/UFV C197 0.01/UBV PAT/UBV C3101 PPAT/UV PAT/UV C3103 PPAT/UV PAT/UV	0.1/UFV Q3231 *PAT *PAT 6V33/EVV Q3232 *PAT *PAT 0.1/UFV Q3233 *PAT *PAT 6V33/EVV Q3234 *PAT *PAT 0.1/UFV Q4 2S01819A-RTX *PAT 0.01/UBV Q5 2SD1819A-RTX *PAT 100P/UV Q7 *PAT *PAT 3P/UV R1 *PAT/J3 *PAT/J3	T 2SK508K512T2 T 2SK308K512T2 T 2SK308K512T2 T 2SD1819A-RTX T 2SD1819A-RTX T 2SD1819A-RTX
	LM_SCK (17) GP1210 6 LM_SCK (17) GP1211 7 LGD_RG (15) GP1211 7 LGD_RG (15) GP1212 7 LGD_RG (1	TP4994 CH2_OUT >> (15) CP1228			C3108	100P/UV R1009 *PAT/J3 0/J3 3P/UV R1010 0/J3 *PAT/ 10P/UV R1011 *PAT/J3 0/J3 10P/UV R1012 0/J3 *PAT/ 100P/UV R1012 0/J3 *PAT/ 100P/UV R111 47K/J3 *PAT/ 10P/UV R112 56K/J3 *PAT/ 10P/UV R116 0/J3 *PAT/	3 07/J3 1/J3 07/J3 1/J3 07/J3 1/J3 07/J3 1/J3 07/J3 1/J3 1/J3 1/J3 1/J3 1/J3 1/J3 1/J3 1
E		13 13 13 13 13 13 13 13	ANTON_EN (16) CP1267 ANTON_LIGHT) CP1268	WLF1316A182T X 2 P13 L1287 CP1252 VLP336C892 L1288 CP1253 F 1 ANTON_EM 2 ANTON_LIGHT	\$REF\$ NTSC PAL 03248 *PAT/UFV *PAT/UFV 03250 *PAT/UFV *PAT/UFV 03251 *PAT/UFV *PAT/UFV 03251 *PAT/USV *PAT/USV 03252 *PAT/USV *PAT/USV 03253 *PAT/USV *PAT/USV 03253 *PAT/UFV *PAT/USV	ON \$REF\$ NTSC PAL 0.1/UFV R117 0/J3 *PAT/- 0.1/UFV R118 0/J3 *PAT/- 0.1/UFV R135 *PAT/-J3 *PAT/- 1000P/USV R136 1000/J3 *PAT/- 1000P/USV R137 1000/J3 *PAT/- 0.1/UFV R138 *PAT/J3 *PAT/-	J3 07.J3 J3 07.J3 J3 07.J3 J3 10007.J3 J3 10007.J3
F		CH2_DLC				1000P/USV	J3 0/J3 J3 0/J3 J3 0/J3 J3 0/J3 J3 0/J3 J3 0/J3
	\$REF\$ NTSC PAL ON \$REF\$ NTSC R229 *PAT/J3 *PAT/J3 0/J3 R3012 *PAT/J3 R230 *PAT/J3 47/J3 47/J3 R3210 *PAT/RE7 R231 *PAT/J3 *PAT/J3 4700/J3 R3211 *PAT/RE7 R233 1200/RE7 1000/RE7 1200/RE7 R3227 *PAT/J3	*PAT/J3 0/J3 R4245 IR5M/J3 100K/. 7 *PAT/RE7 2200/RE7 R505 *PAT/J3 *PAT/ 7 *PAT/RE7 2200/RE7 R527 *PAT/J3 *PAT/ *PAT/J3 220/J3 R529 *PAT/J3 *PAT/	J3 1R5M/J3 VR5 J3 47K/J3 VR6 J3 0/J3 VR7	NTSC PAL ON 500/VRS *PAT/VRS 500/VRS 1K/VRS *PAT/VRS 1K/VRS *PAT/VRS *PAT/VRS 1K/VRS *PAT/VRS *PAT/VRS 200/VRS	C80 VCK0151	VCK0151 R149 *PAT/J3 *PAT/J3 10P/UV R150 820/J3 *PAT/J 10P/UV R151 1000/J3 *PAT/J 10P/UV R153 1000/RE7 *PAT/J 10P/UV R154 1500/J3 *PAT/J 10P/UV R155 100/J3 *PAT/J VCK0151 R156 3300/J3 *PAT/J	J3 0/J3 J3 820/J3 J3 1000/J3 E7 1000/RE7 J3 1500/J3 J3 100/J3
G	R237 4700/J3 *PAT/J3 4700/J3 R3284 *PAT/J3 R239 6800/J3 0/J3 6800/J3 R3293 *PAT/J3 R247 *PAT/RE7 *PAT/RE7 47K/RE7 R3294 *PAT/J3 R248 *PAT/RE7 *PAT/RE7 47K/RE7 R3295 *PAT/J3 R252 *PAT/J3 *PAT/J3 0/J3 R3296 *PAT/J3 R254 *PAT/J3 *PAT/J3 0/J3 R3342 *PAT/J3 R255 *PAT/J3 *PAT/J3 0/J3 R3400 *PAT/J3	*PAT/J3 220/J3 R531 0/J3 *PAT/J3 *PAT/J3 3300/J3 R532 *PAT/J3 0/J3 *PAT/J3 3300/J3 R545 *PAT/J3 *PAT/J3 *PAT/J3 3300/J3 R548 *PAT/J3 *PAT/J3 *PAT/J3 3300/J3 R6028 *PAT/J3 *PAT/J3 *PAT/J3 0/J3 R6065 47K/J3 *PAT/J3 *PAT/J3 15K/J3 R6065 *PAT/J3 0/J3	J3 0/J3 X2 0/J3 J3 0/J3 J3 0/J3 J3 0/J3 J3 1/7K/J3	VSX0886 VSX0937 VSX0886	C84 0.01/UBV *PAT/UBV C85 0.01/UBV *PAT/UBV C80 0.01/UBV *PAT/UBV C81 0.01/UBV *PAT/UBV C82 0.01/UBV *PAT/UBV C88 0.22/UBN *PAT/UBV	0.01/UBV 0.01/UBV R157 2700/J3 *PAT/J 0.01/UBV R158 1500/J3 *PAT/J 0.01/UBV R161 *PAT/J3 *PAT/J 0.01/UBV R162 0/J3 *PAT/J 0.01/UBV R163 2700/J3 *PAT/J 0.01/UBV R164 2200/J3 *PAT/J 0.01/UBV R164 2200/J3 *PAT/J 0.01/UBV R165 1000/J3 *PAT/J 0.01/UBV R165 200/J3 *PAT/J 0.01/UBV R165 1000/J3 *PAT/J 0.01/UBV R165 1000/J3 *PAT/J 0.01/UBV R165 1000/J3 *PAT/J 0.01/UBV R165 1000/J5T PAT/J 0.01/UBV R165 1000/J5T R165 1000/J5T PAT/J 0.01/UBV R165 1000/J5T PAT	J3 2700/J3 J3 1500/J3 J3 0/J3 J3 0/J3 J3 2700/J3 J3 2200/J3 J3 1000/J3
Н	R256 22/J3 *PAT/J3 22/J3 R3401 *PAT/J3 R257 6800/J3 *PAT/J3 6800/J3 R3402 *PAT/J3 R258 47/J3 *PAT/J3 47/J3 R3403 *PAT/J3 R259 10/J3 *PAT/J3 10/J3 R3404 *PAT/J3 R260 *PAT/J3 *PAT/J3 20/J3 R3405 *PAT/J3 R261 22/J3 *PAT/J3 22/J3 R3406 *PAT/J3 R262 6800/J3 *PAT/J3 800/J3 R3407 *PAT/J3 R263 47/J3 *PAT/J3 7/J3 R3408 *PAT/J3	*PAT/J3 15K/J3 R74 *PAT/J3 *PAT/J3 *PAT/J3 6800/J3 R75 *PAT/J3 *PAT/J3 *PAT/J3 1500/J3 R76 *PAT *PAT/J3 *PAT/J3 1500/J3 R77 *PAT *PAT *PAT/J3 1500/J3 R78 100/J3 *PAT/ *PAT/J3 1500/J3 R81 0/J3 *PAT/	J3 0/J3 J3 0/J3 J3 0/J3 J3 0/J3 F VRT014118250 VRT014118250 J3 100/J3 J3 0/J3		FL4 VLF1293-T *PAT IC15 MN657021F *PAT IC26 MN657021F *PAT IC2 MN4706F MN4706F IC28 TC75H08FUTL *PAT TC75H08	VLF1293-T R167 1000/RE7 PPAT/RR MN657021F R168 *PAT/JJ *PAT/J *PA	E7 1000/RE7 13 100/J3 13 580/J3 13 2200/J3 13 2200/J3 13 10K/J3
1	R264 10/J3 *PAT/J3 10/J3 R3409 *PAT/J3 R265 68/RE7 *PAT/RE7 68/RE7 R3410 *PAT/J3 R266 22/J3 *PAT/J3 22/J3 R3411 *PAT/J3 R267 6800/J3 *PAT/J3 6800/J3 R3412 *PAT/J3 R268 47/J3 *PAT/J3 47/J3 R3413 *PAT/J3 R269 10/J3 *PAT/J3 10/J3 R3414 *PAT/J3 R27 *PAT/J3 *PAT/J3 0/J3 R3415 *PAT/J3	*PAT/J3 10K/J3 R85 2200/J3 *PAT/J3 *PAT/J3 15K/J3 R86 390/J3 *PAT/J *PAT/J3 6800/J3 R87 390/J3 *PAT/J *PAT/J3 1500/J3 R88 1500/J3 *PAT/J *PAT/J3 1500/J3 R89 100/J3 *PAT/J *PAT/J3 1500/J3 R90 10/J3 *PAT/J *PAT/J3 1500/J3 R91 1000/J3 *PAT/J	J3 2200/J3 J3 380/J3 J3 380/J3 J3 1500/J3 J3 100/J3 J3 10/J3		IC48 ADB17AR-R *PAT	G82AP3101PL R181 0/J3 *PAT/J AD817AR-R R182 *PAT/J6 *PAT/J6 *PAT/J6 27U/LA R189 0/J3 *PAT/J6 *PAT/J7 100U/LC R199 *PAT/J3 0/J3 *PAT/J3 0/J3 100U/LC R190 *PAT/J3	3
	R270 *PAT/J3 *PAT/J3 O/J3 R3419 *PAT/J3 R271 22/J3 *PAT/J3 R3421 *PAT/J3 R272 6800/J3 *PAT/J3 R3422 *PAT/J3 R273 47/J3 *PAT/J3 R3422 *PAT/J3 R274 10/J3 *PAT/J3 10/J3 R3437 *PAT/J3 R275 *PAT/J3 0/J3 R3440 *PAT/J3 R276 68/RE7 *PAT/J3 R3502 *PAT/J3	*PAT/J3 0/J3 R92 220/J3 *PAT/J *PAT/J3 0/J3 R93 820/J3 *PAT/J *PAT/J3 0/J3 R94 2200/J3 *PAT/J *PAT/J3 1000/J3 R95 3900/J3 *PAT/J *PAT/J3 6800/J3 R96 1000/J3 *PAT/J *PAT/J3 0/J3 R97 820/J3 *PAT/J *PAT/J3 1000/J3 R98 1000/RE7 *PAT/J	J3 220/J3 J3 820/J3 J3 2200/J3 J3 3900/J3 J3 1000/J3 J3 820/J3 EET 1000/RET				
J	R277 0/J3 *PAT/J3 0/J3 R3507 *PAT/J3 R278 0/J3 *PAT/J3 O/J3 R3539 *PAT/J3 R279 560/J3 *PAT/J3 560/J3 R4013 *PAT/J3 R280 470/J3 *PAT/J3 470/J3 R4132 2700/J3 R289 68/RE7 *PAT/J3 47/J3 R4138 0/J3 R290 41/J3 *PAT/J3 47/J3 R4140 2700/J3 R295 220K/J3 *PAT/J3 220K/J3 R4145 175M/J3 R300 *PAT/J3 0/J3 R4232 2700/J3 R300 *PAT/J3 0/J3 R4238 0/J3	*PAT/J3 0/J3 TPI3 EYF8CU *PAT *PAT/J3 10K/J3 TPI4 EYF8CU *PAT *10K/J3 2700/J3 TPI5 EYF8CU *PAT *PAT/J3 0/J3 TP3 EYF8CU *PAT *2K/J3 2700/J3 TP4 EYF8CU *PAT *100K/J3 1R5M/J3 YC1 *PAT *PAT	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VVV0045-T R5 200/VR5				

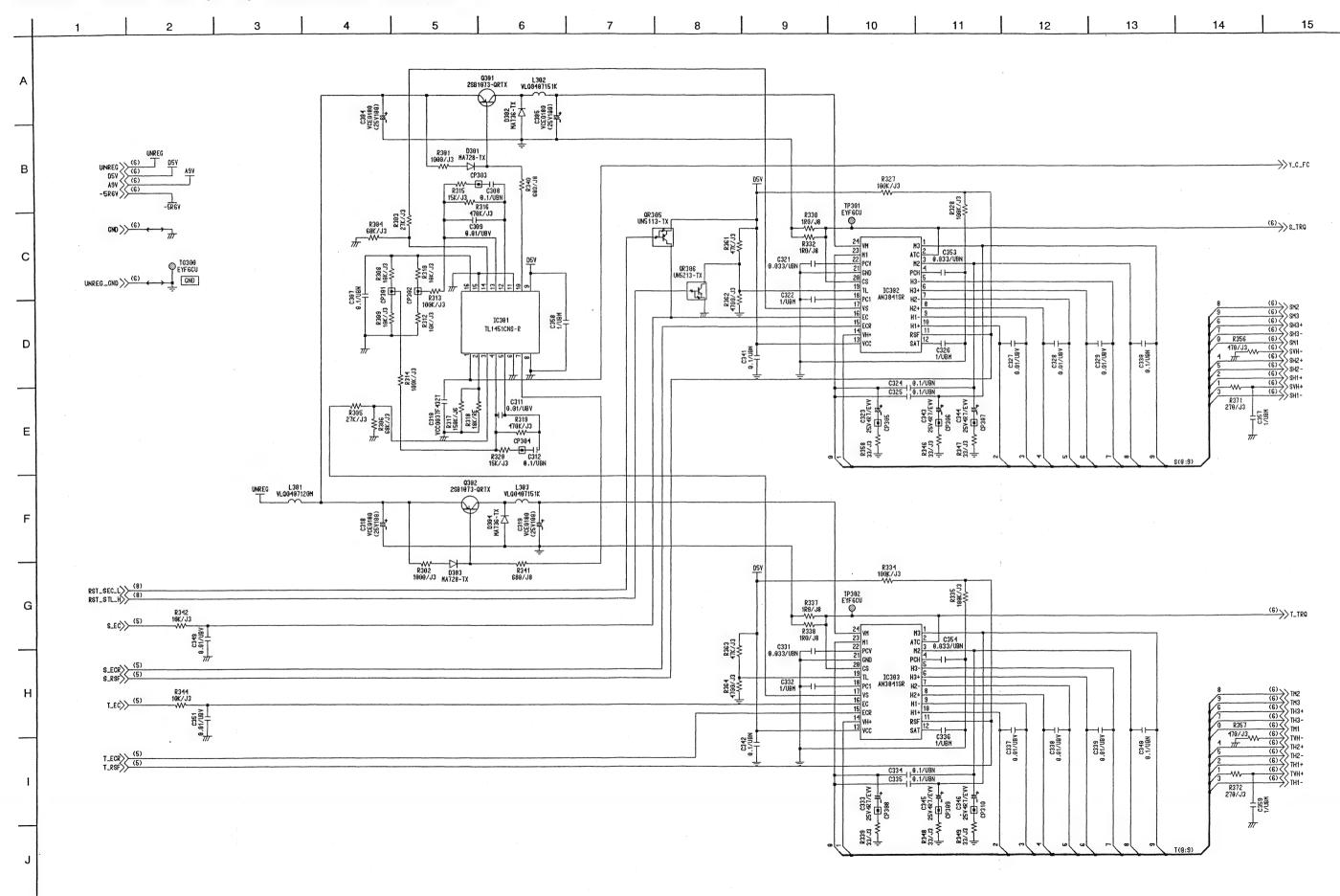
SERVO CONTROL (1/10) SCHEMATIC DIAGRAM



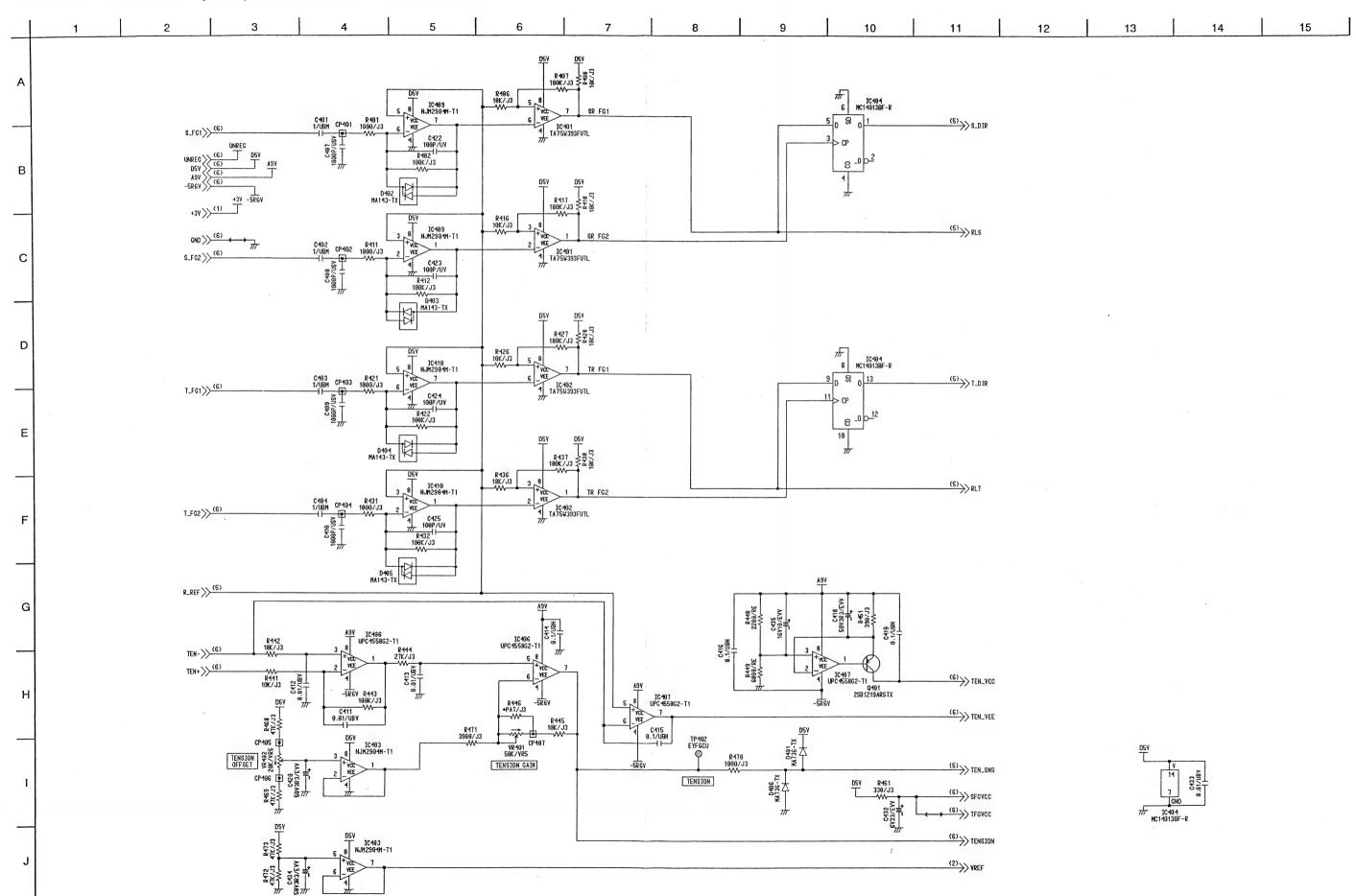
SERVO CONTROL (2/10) SCHEMATIC DIAGRAM



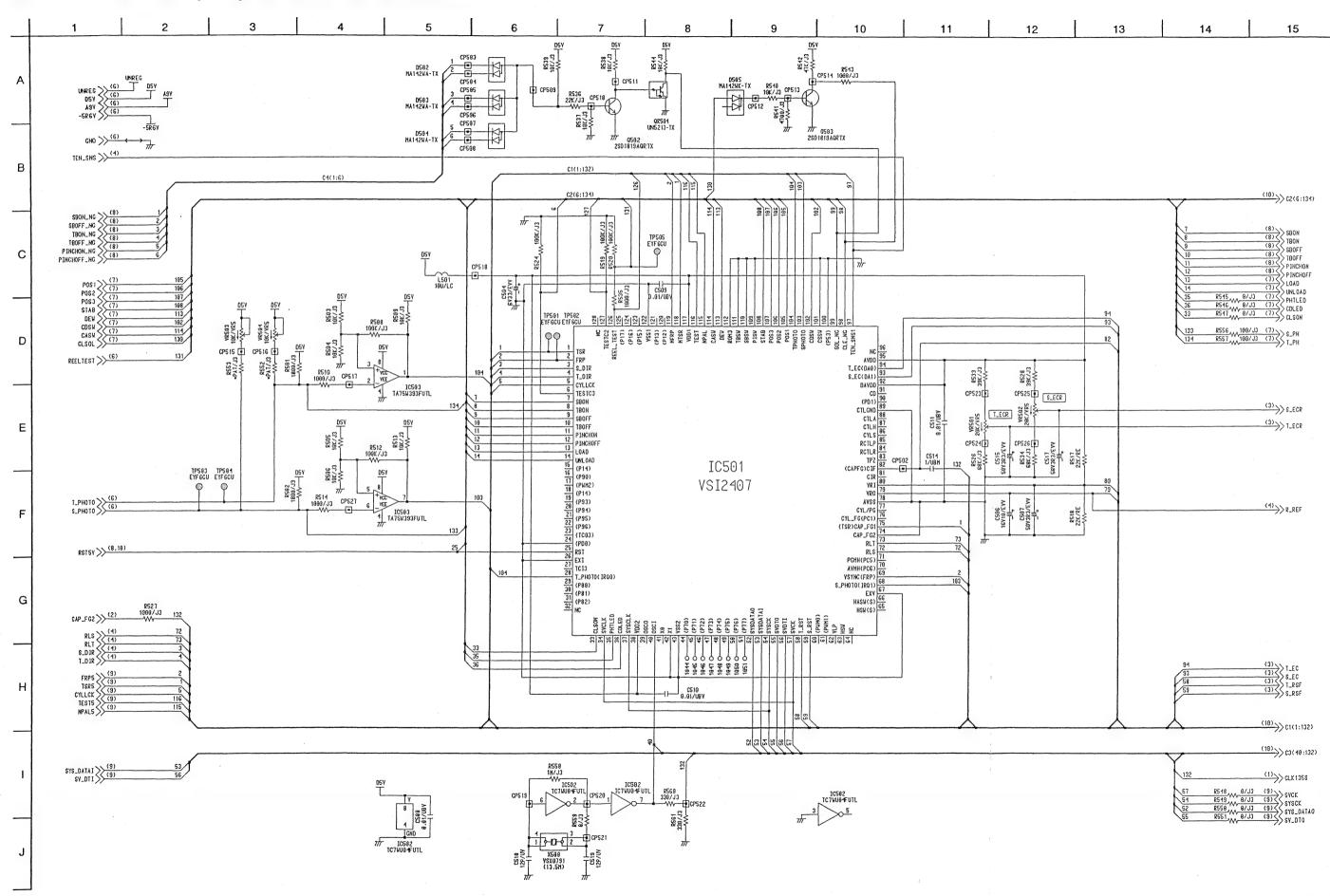
SERVO CONTROL (3/10) SCHEMATIC DIAGRAM



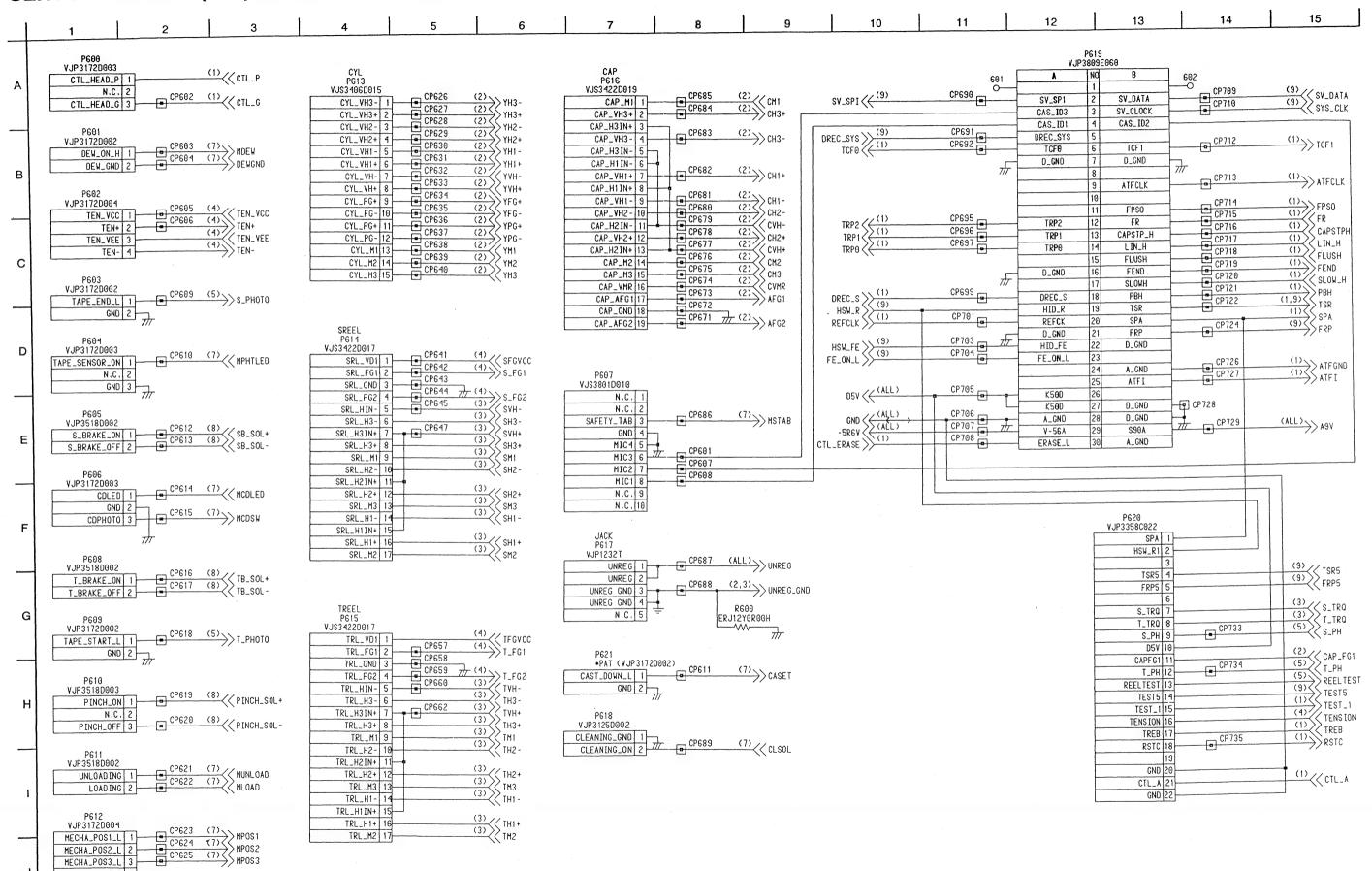
SERVO CONTROL (4/10) SCHEMATIC DIAGRAM



SERVO CONTROL (5/10) SCHEMATIC DIAGRAM

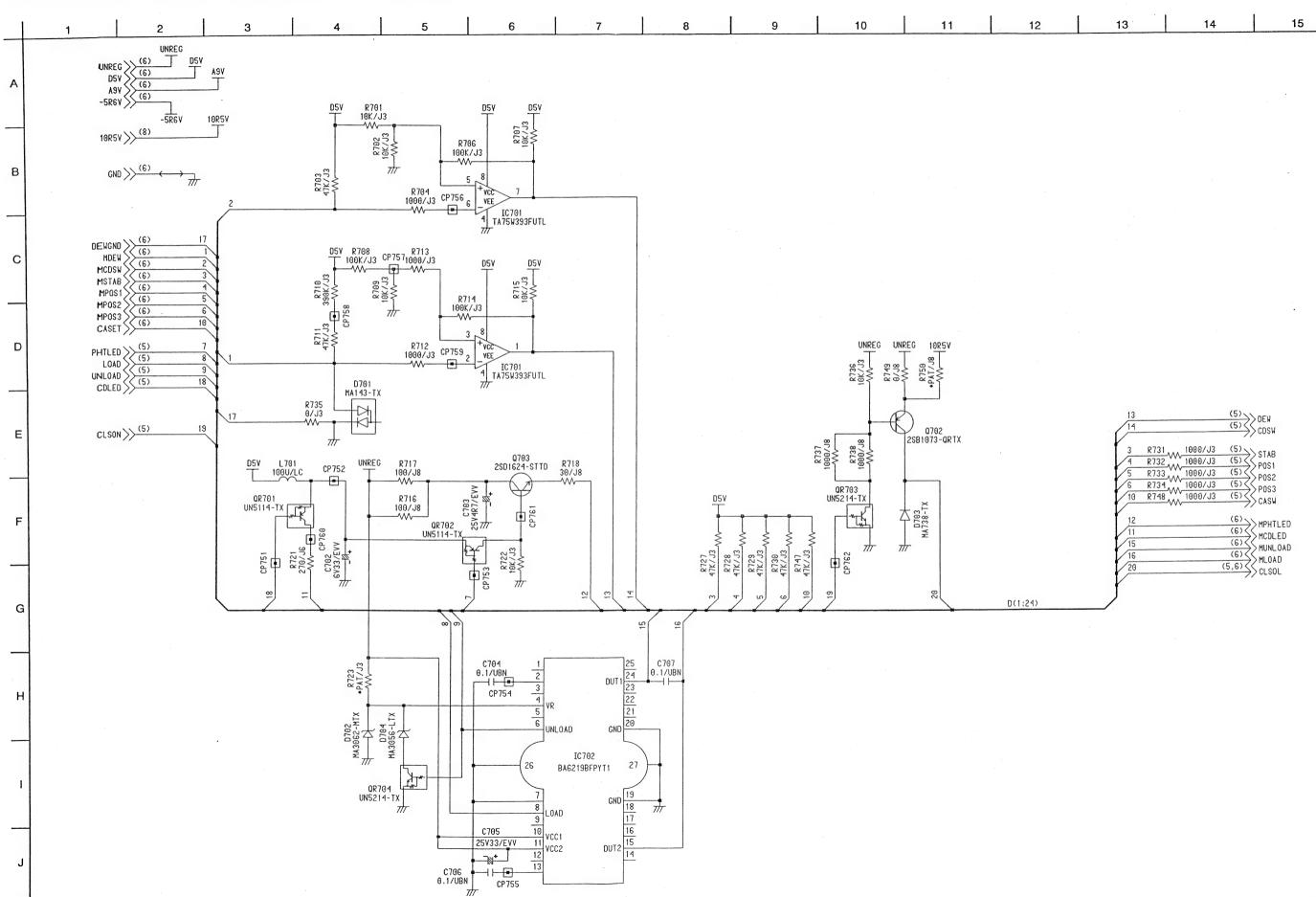


SERVO CONTROL (6/10) SCHEMATIC DIAGRAM



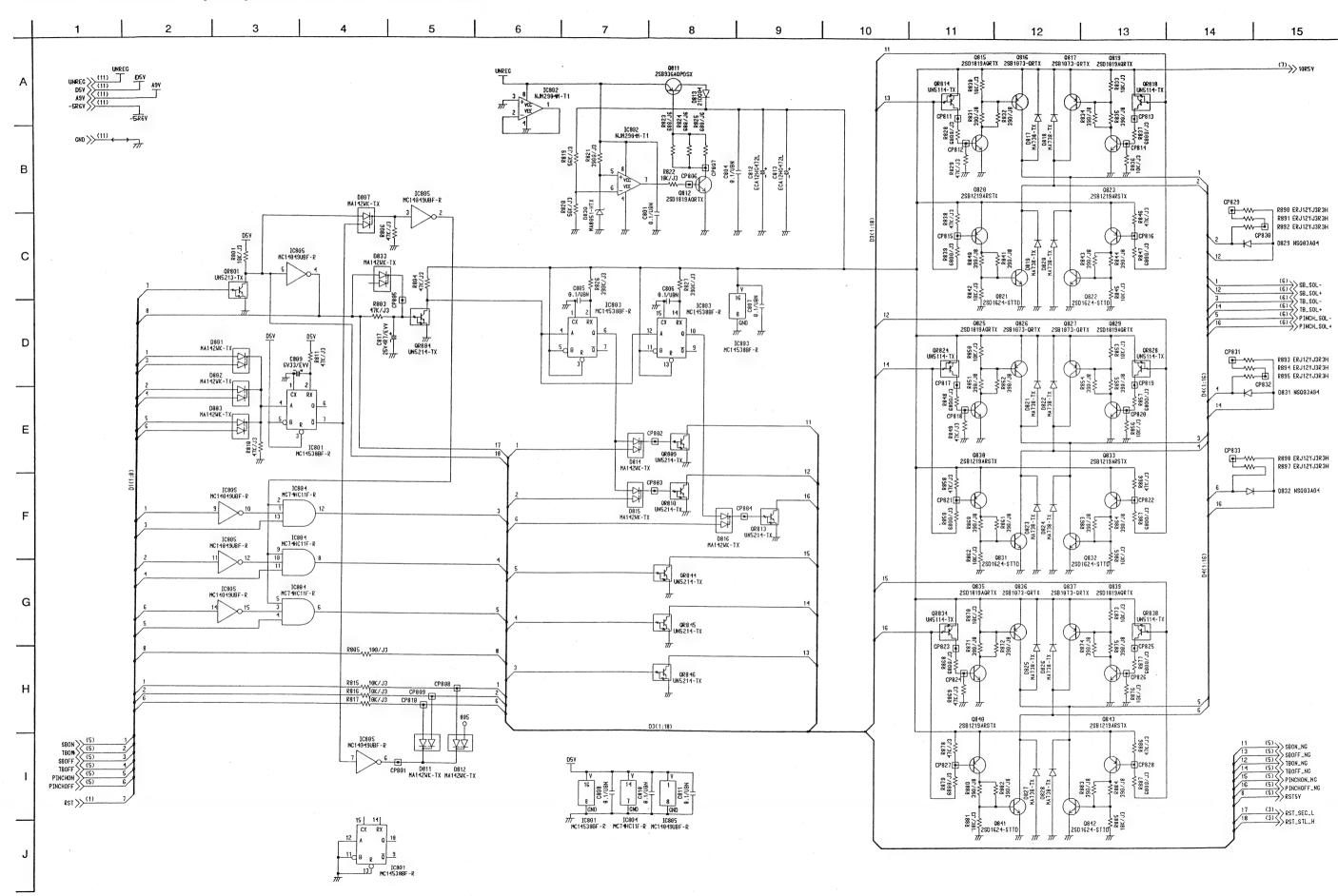
GND 4

SERVO CONTROL (7/10) SCHEMATIC DIAGRAM

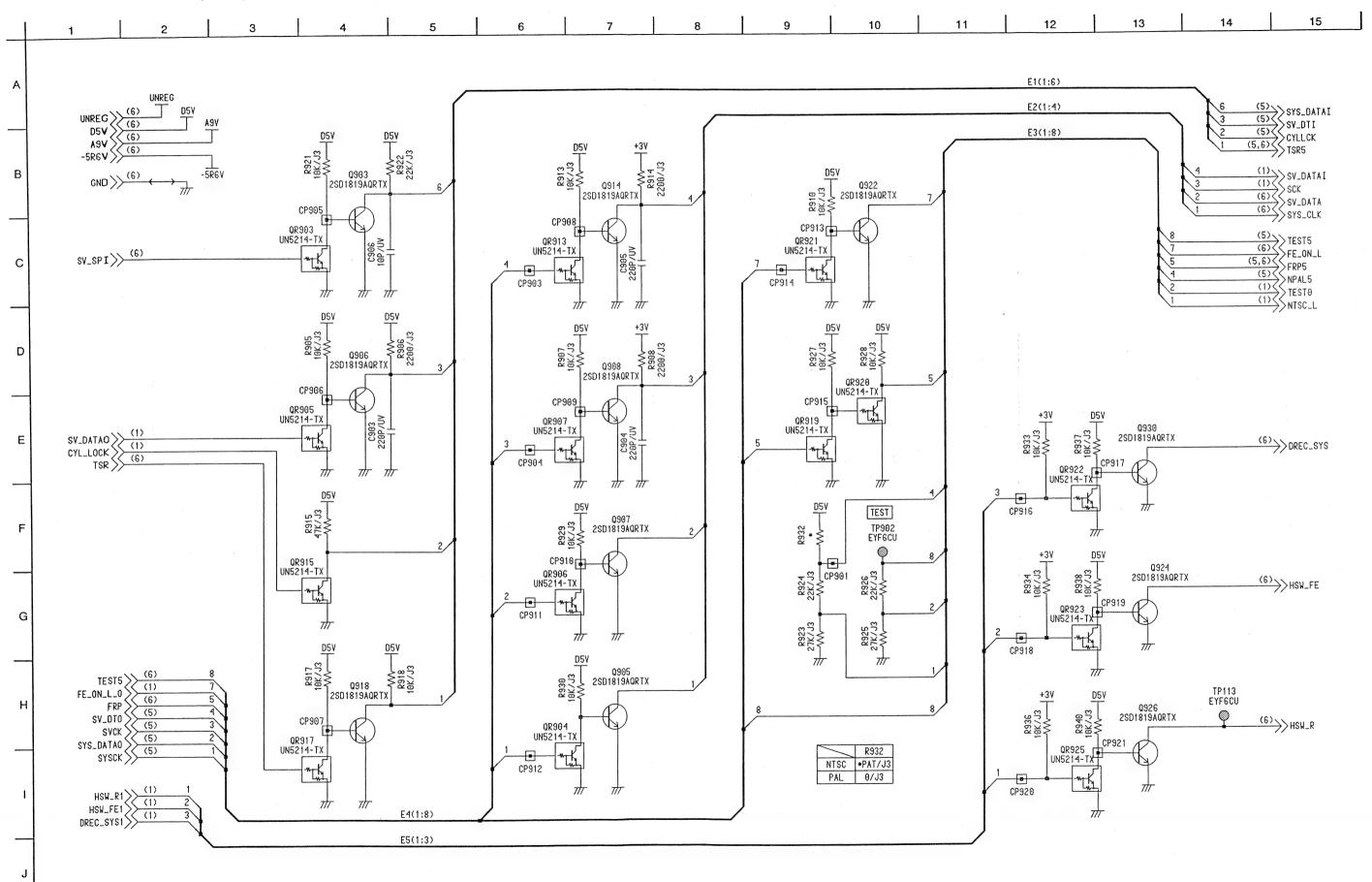


SERVO CONTROL (8/10) SCHEMATIC DIAGRAM

SCM-34

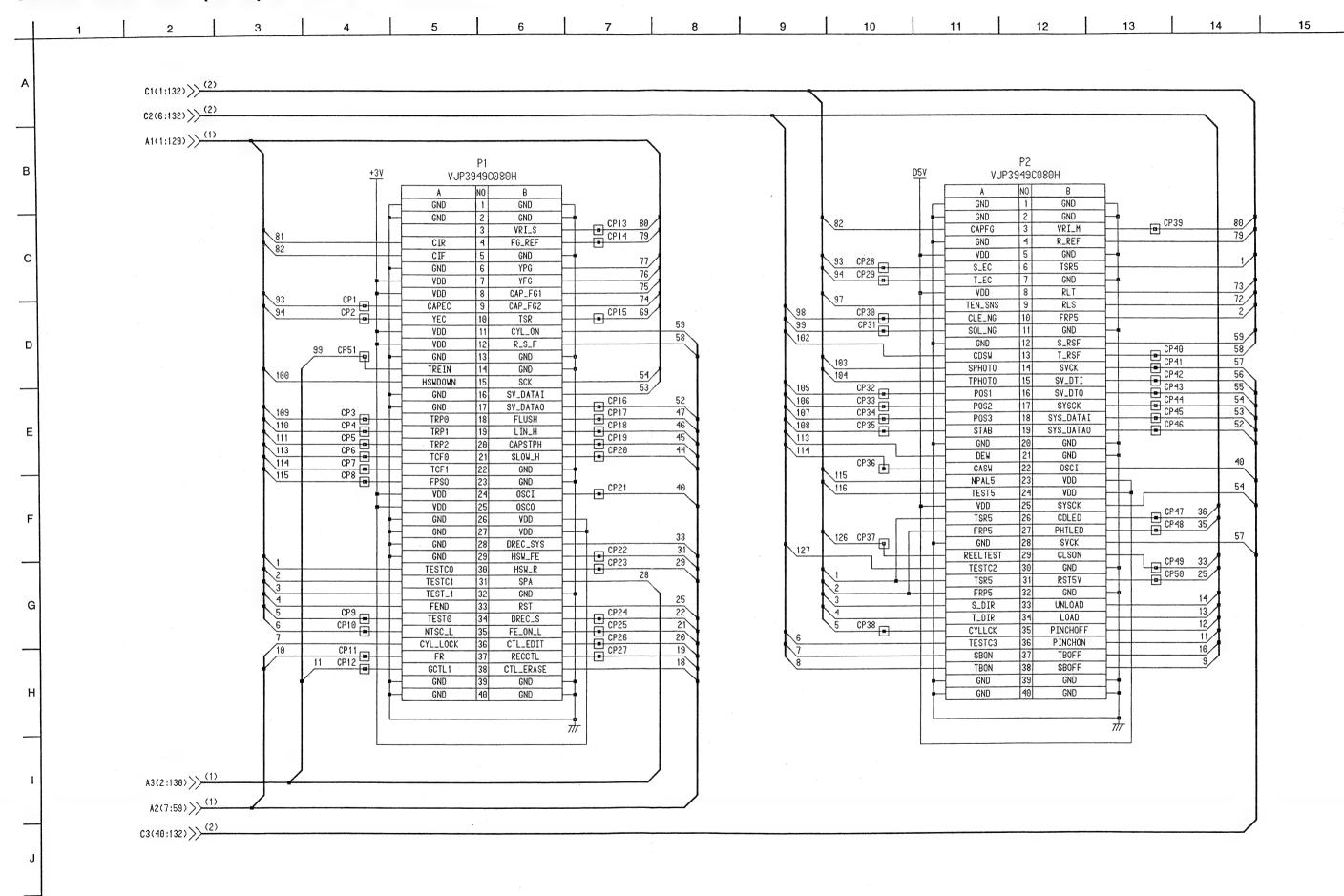


SERVO CONTROL (9/10) SCHEMATIC DIAGRAM

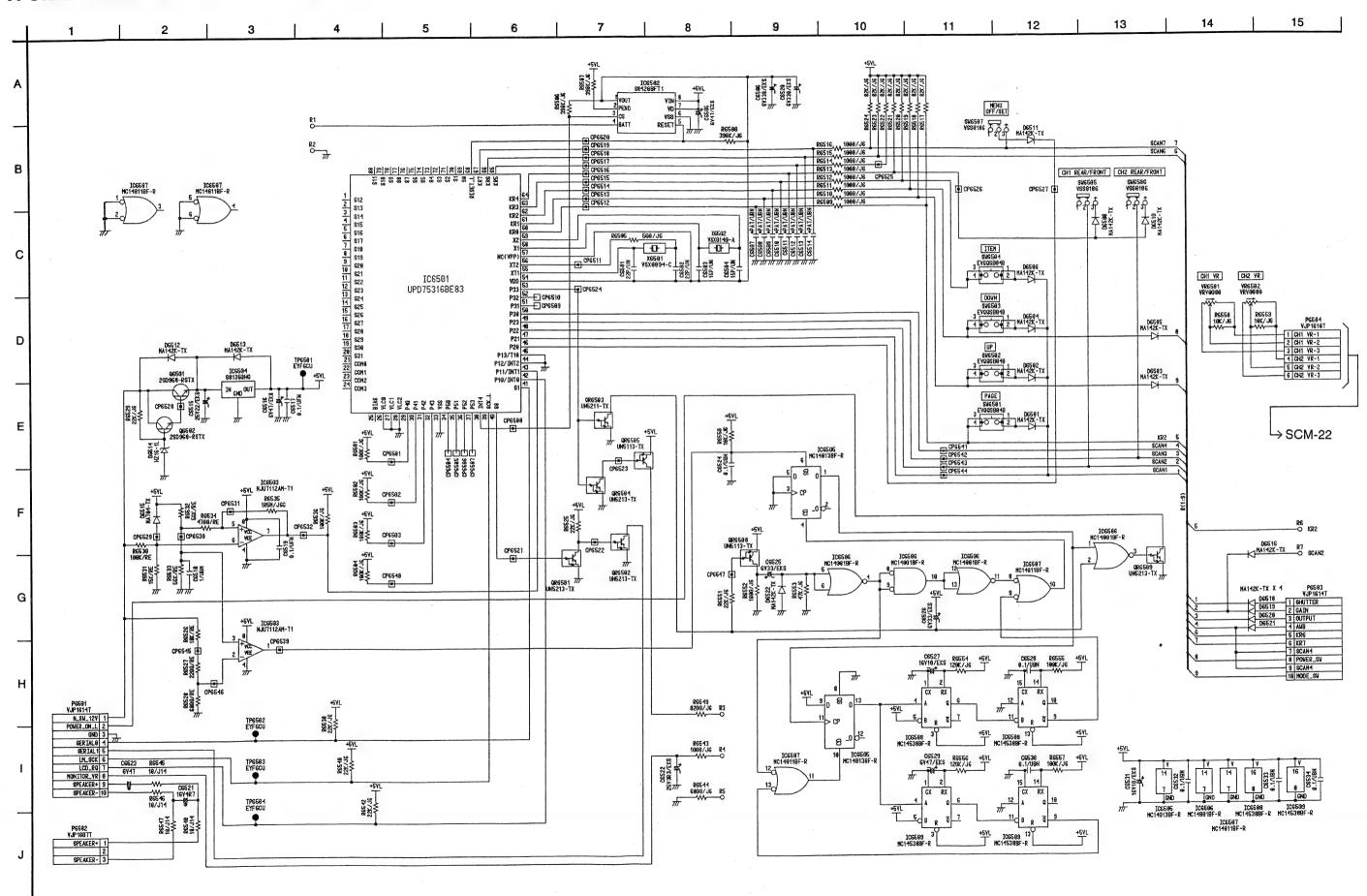


SERVO CONTROL (10/10) SCHEMATIC DIAGRAM

SCM-36

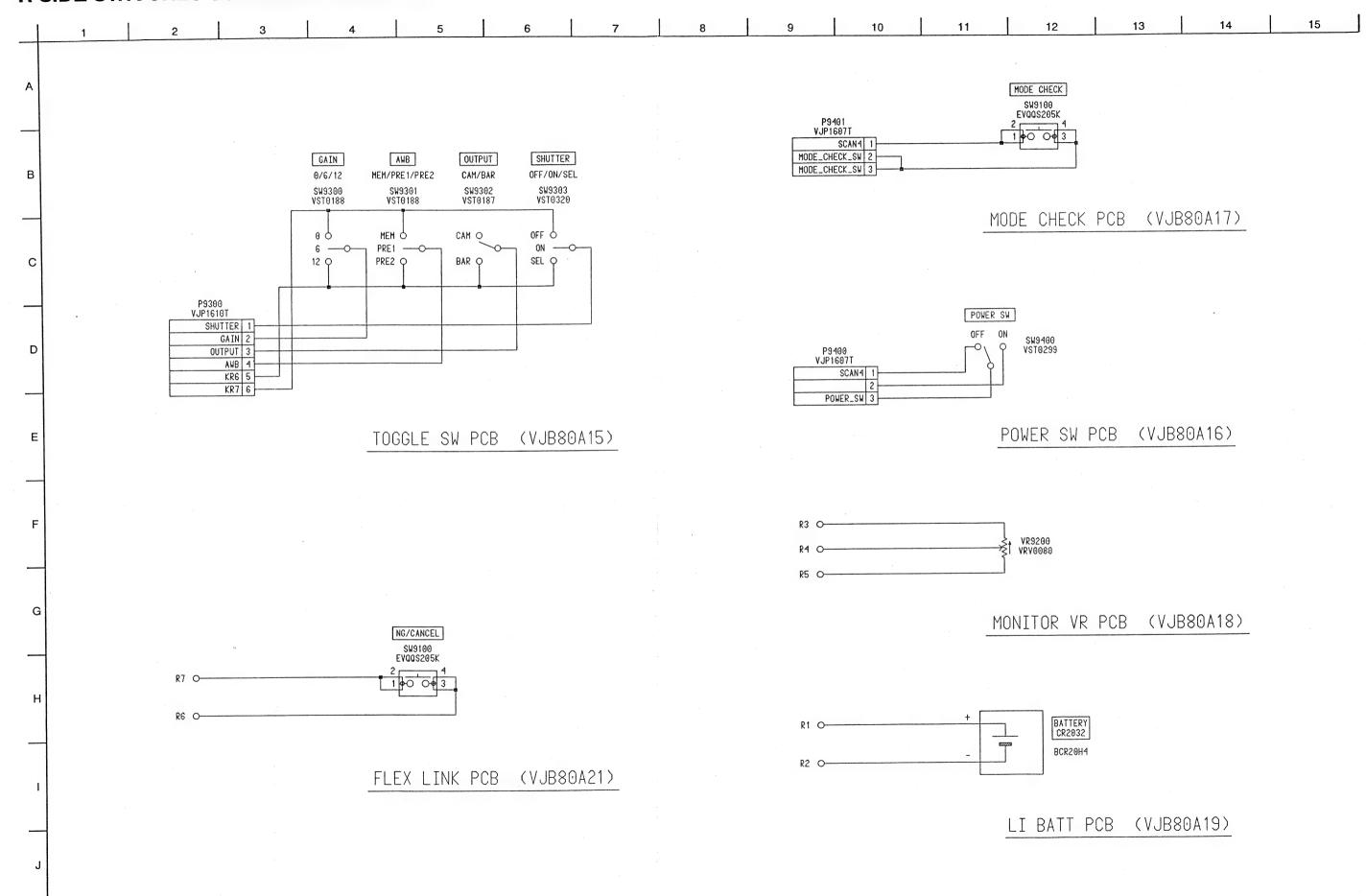


R SIDE MAIN SCHEMATIC DIAGRAM

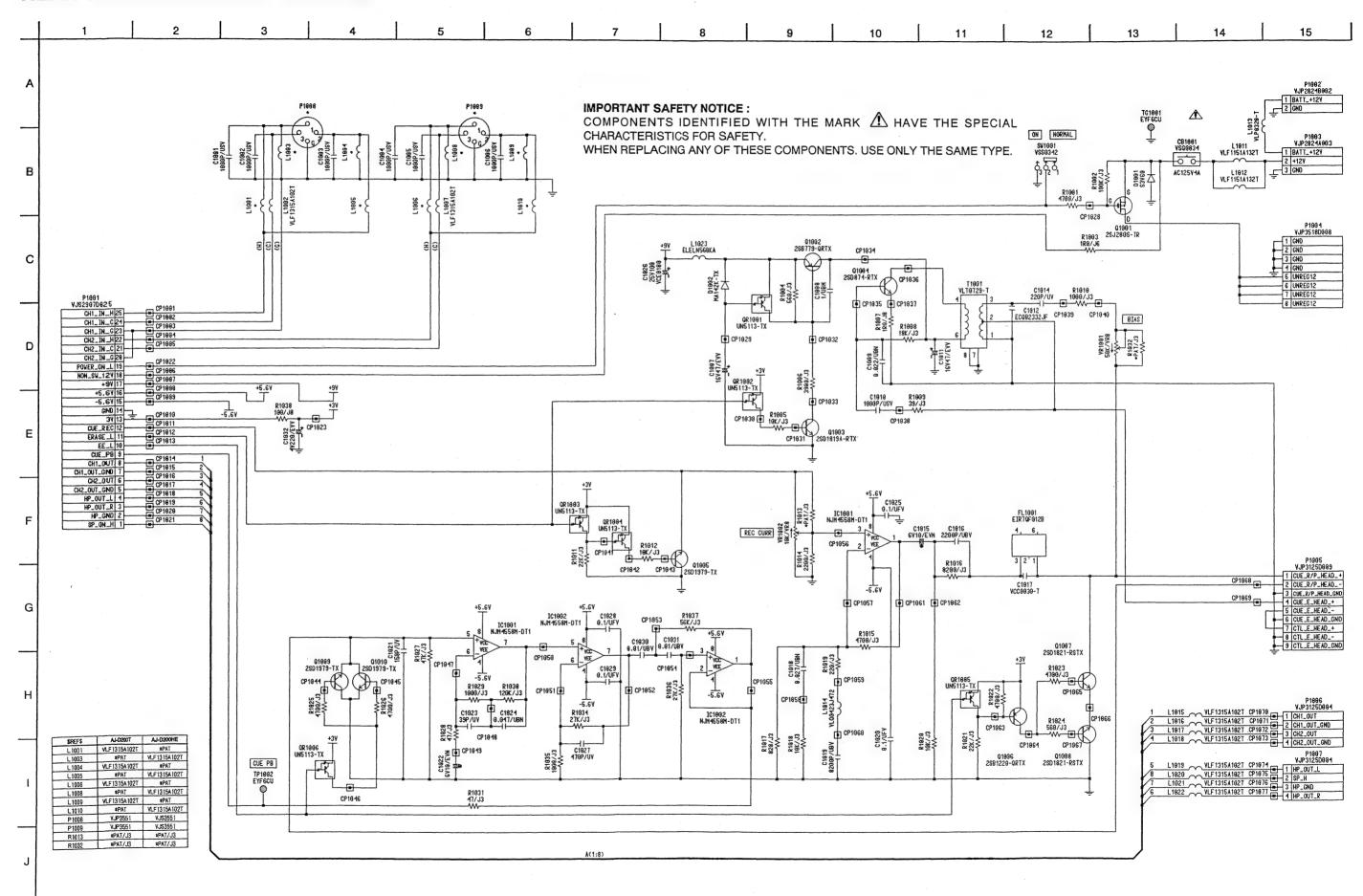


R SIDE SWITCHES SCHEMATIC DIAGRAM

SCM-38

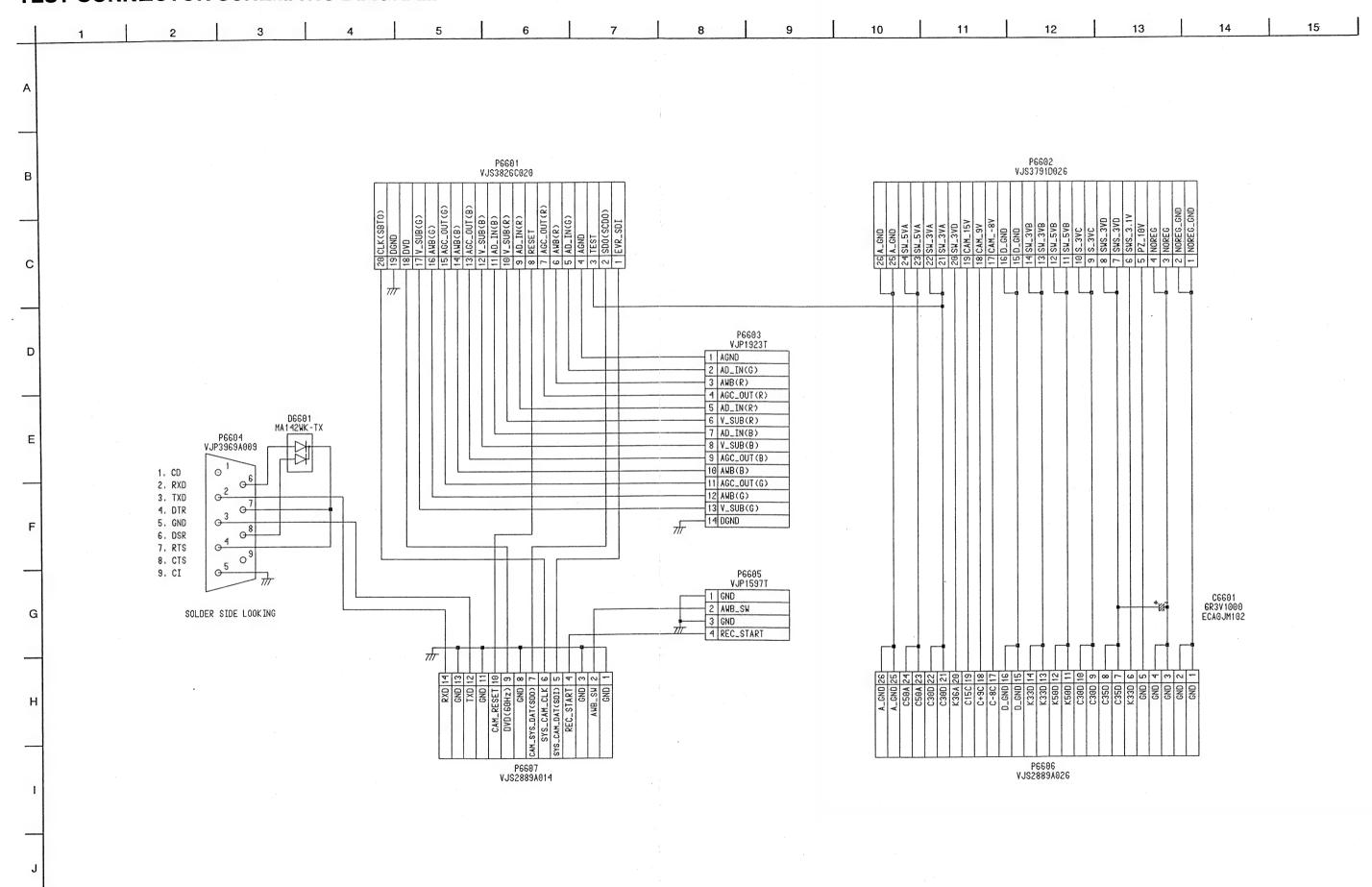


REAR JACK SCHEMATIC DIAGRAM

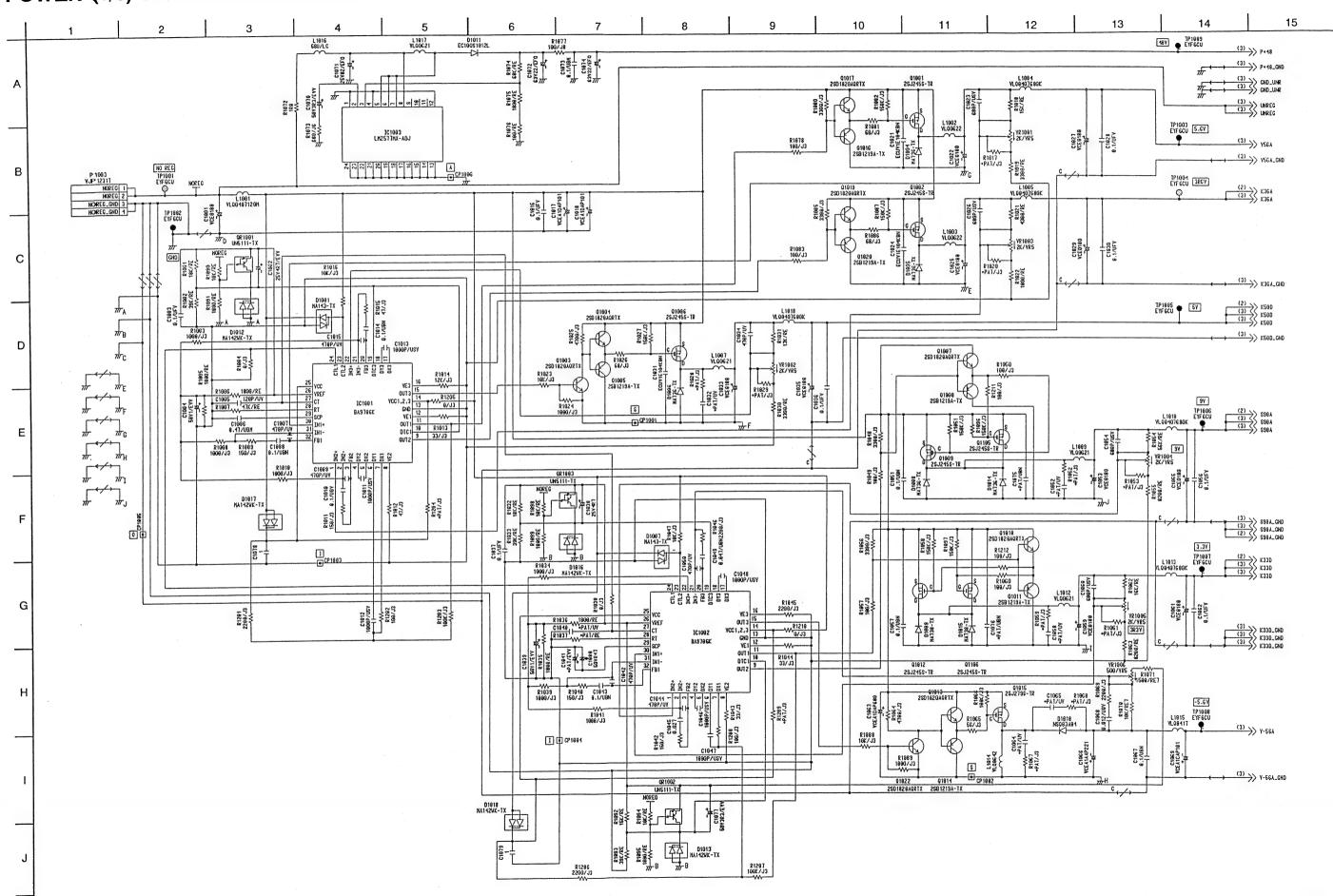


TEST CONNECTOR SCHEMATIC DIAGRAM

SCM-40

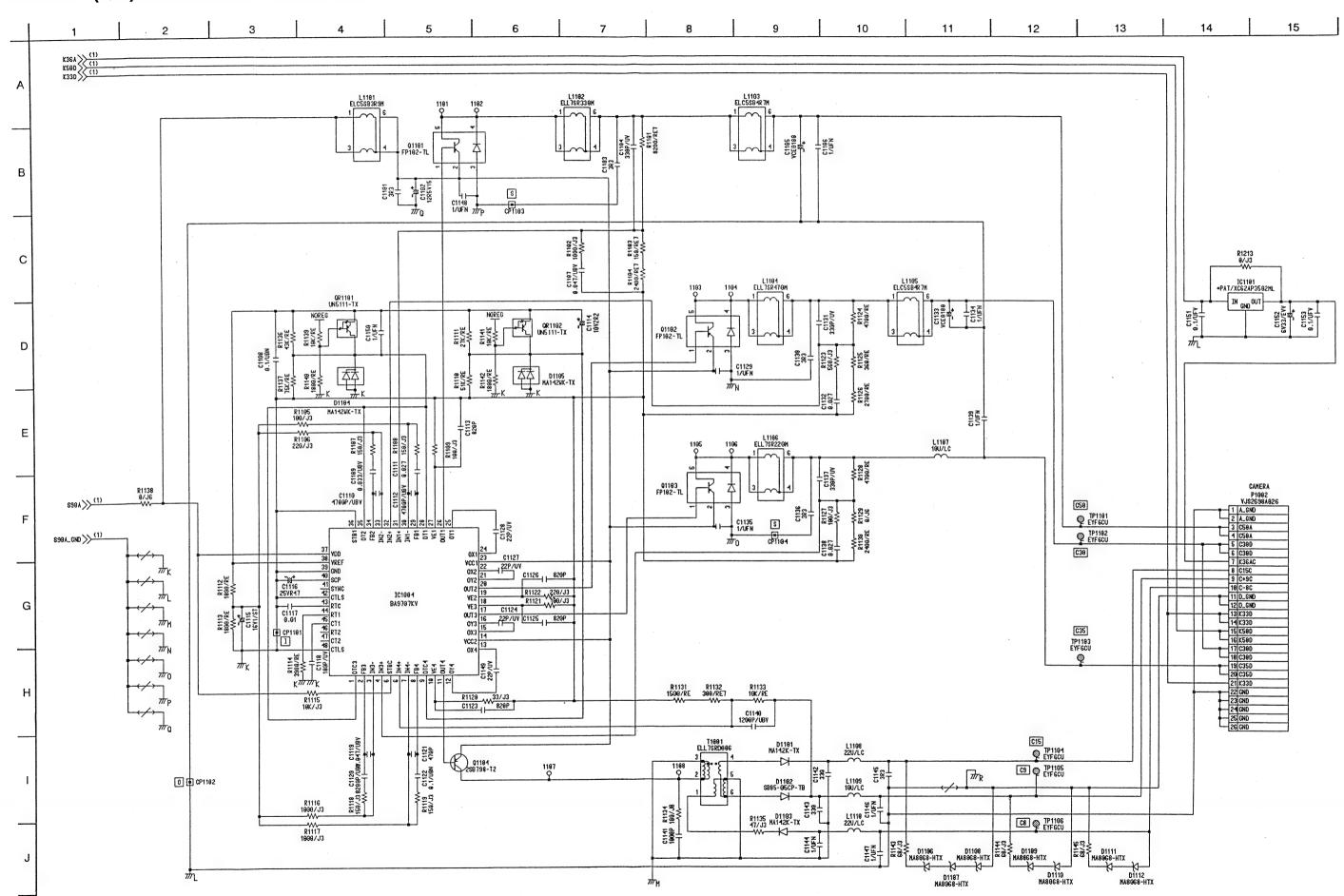


POWER (1/3) SCHEMATIC DIAGRAM



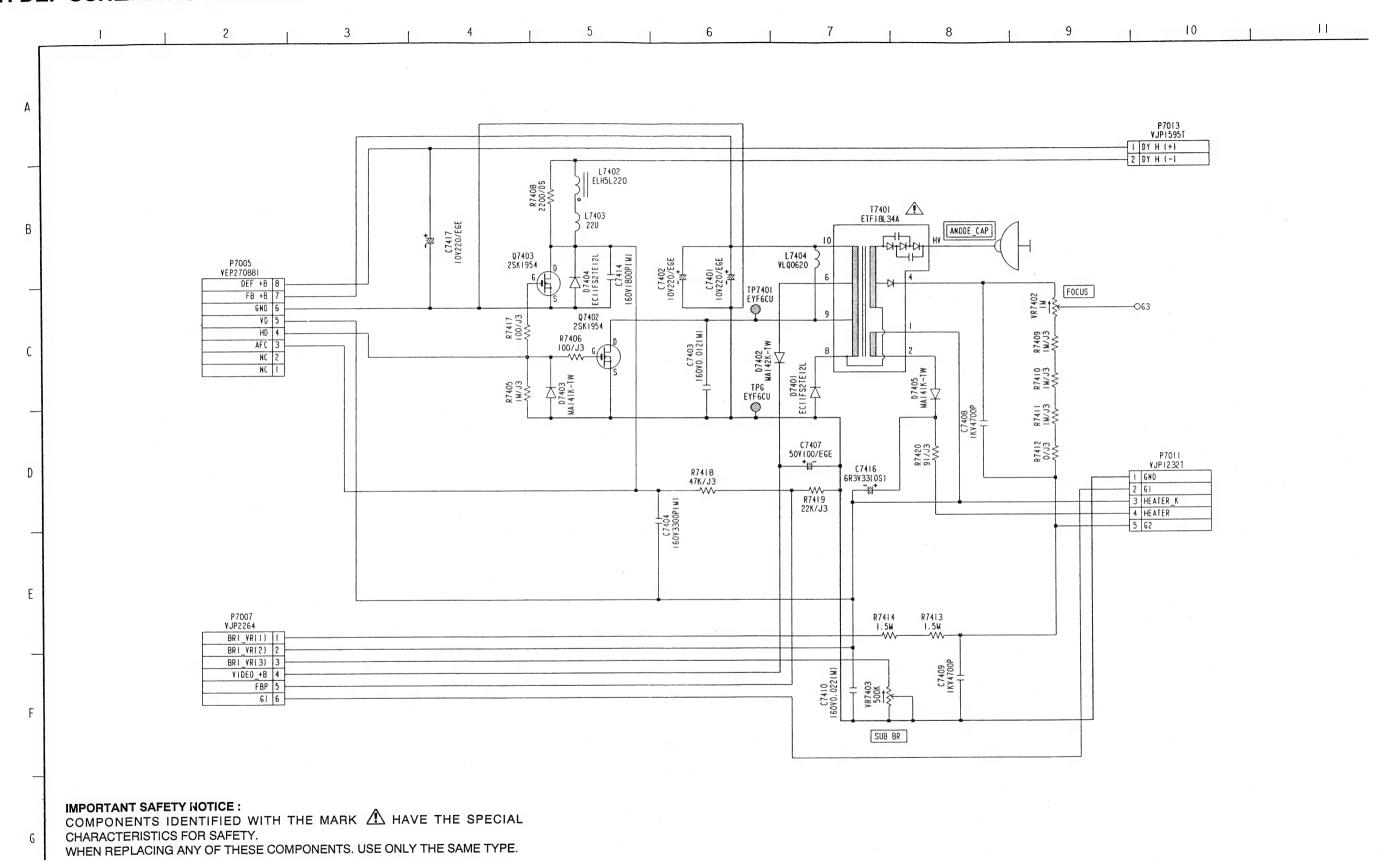
POWER (2/3) SCHEMATIC DIAGRAM

SCM-42

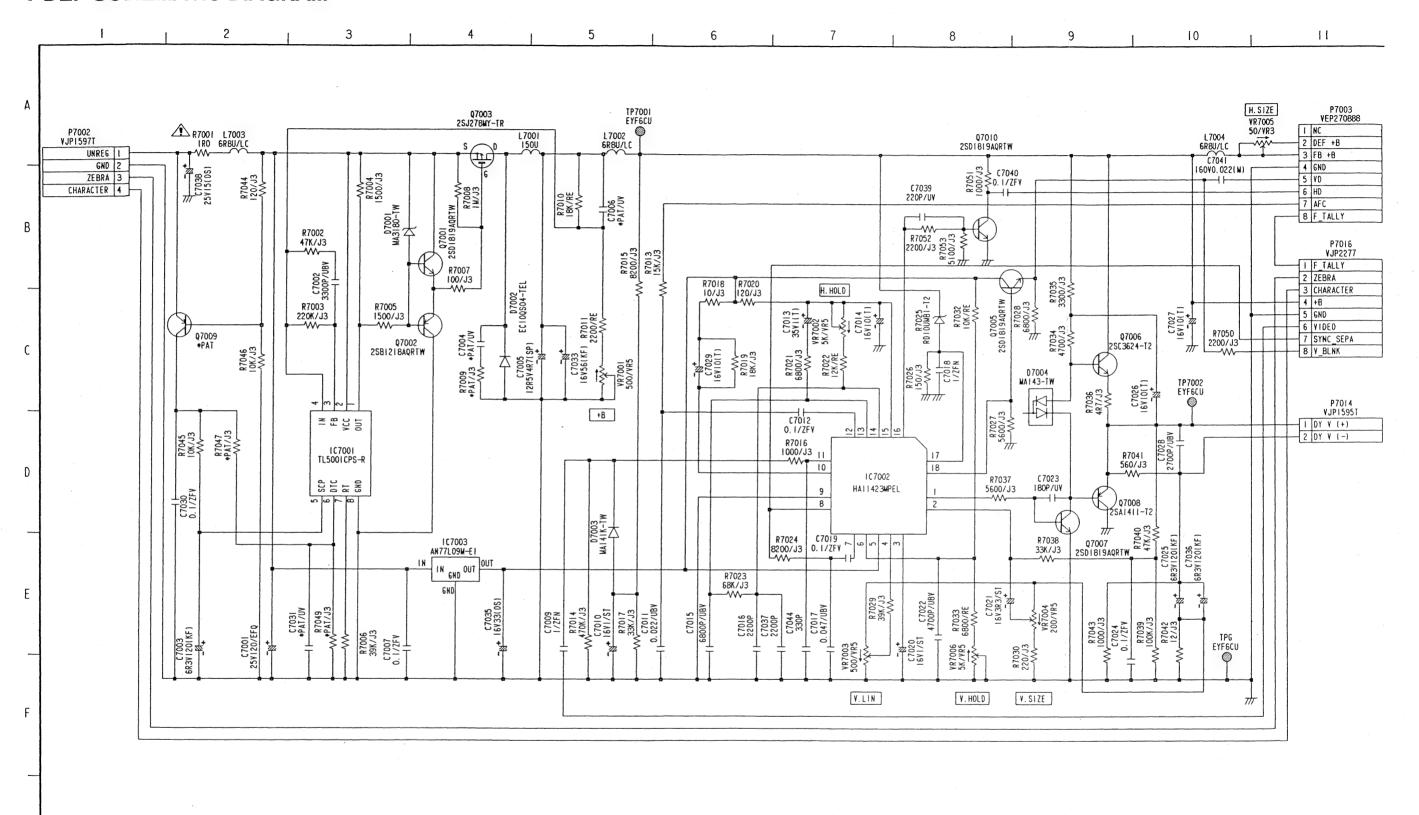


ATW SENSOR SCHEMATIC DIAGRAM POWER (3/3) SCHEMATIC DIAGRAM 12 13 R1 10K/J3 P1001 VJS2889A025 V-56A_GND >> 1 V-56A_GND 0,1 V-56A 2 V-56A (1) K33D_GND > 3 K33D_GND $\langle \overline{\langle 1 \rangle} \rangle$ K33D_GND > 4 K33D_GND (1) K33D_GND > 5 K33D_GND 0 8 2 9 9 (1) 6 K33D K33D) (1) 7 K33D K33D Q1 UN2212-TX (1) S90A_GND 8 S90A_GND FG1 (1) IC1 S90A_GND 9 S90A_GND (1) M52944FP FG2 S90A 10 S90A (IL-FRP-14S-VF(-E1500)) (1) S90A 11 S90A (1) VJS3452C014 K50D_GND 12 K50D_GND FG3 7/7 (1) 14 ATW VCC K50D_GND 13 K50D_GND - 2 8 4 S (1) 13 ATW OUT FG4 K50D 14 K50D (1) 12 GND K50D 15 K50D C2 6V4R7/ST 6V10/ST (1) 11 ATW R/B K36A_GND > 16 K36A_GND (1) 10 FLICK 17 K36A K36A (1) 9 NC V56A_GND 18 V56A_GND 7/ 7/ 7/1 (1) 8 NC V56A 19 V56A (1) 7 NC P+48_GND > 20 P+48_GND (1) 6 NC P+48 21 P+48 $\langle \langle 1 \rangle \rangle$ 5 NC GND_UNR > 22 GND_UNR GND_UNR (1) 4 NC 23 GND_UNR ((1) 3 NC UNREG > 24 UNREG UNREG (1) 2 NC 25 UNREG 1 NC

H DEF SCHEMATIC DIAGRAM



V DEF SCHEMATIC DIAGRAM

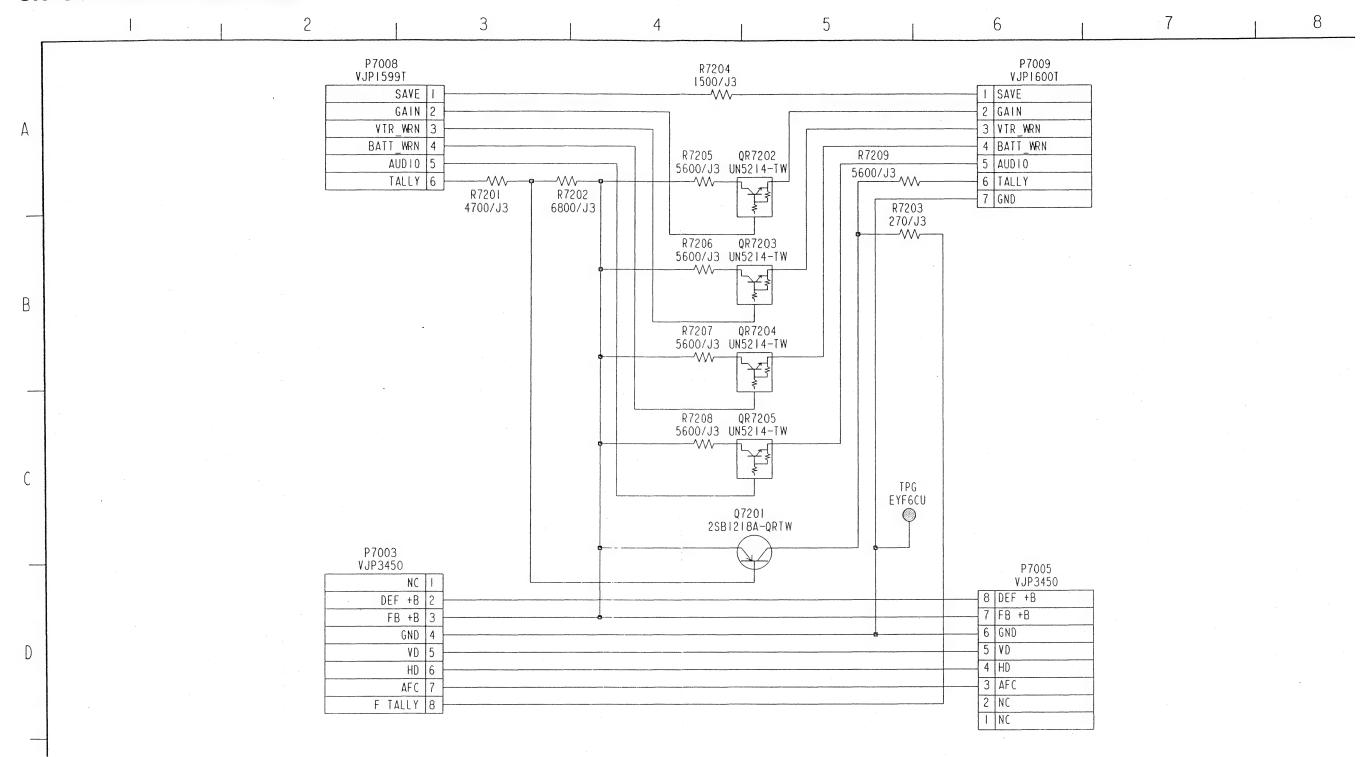


IMPORTANT SAFETY NOTICE:

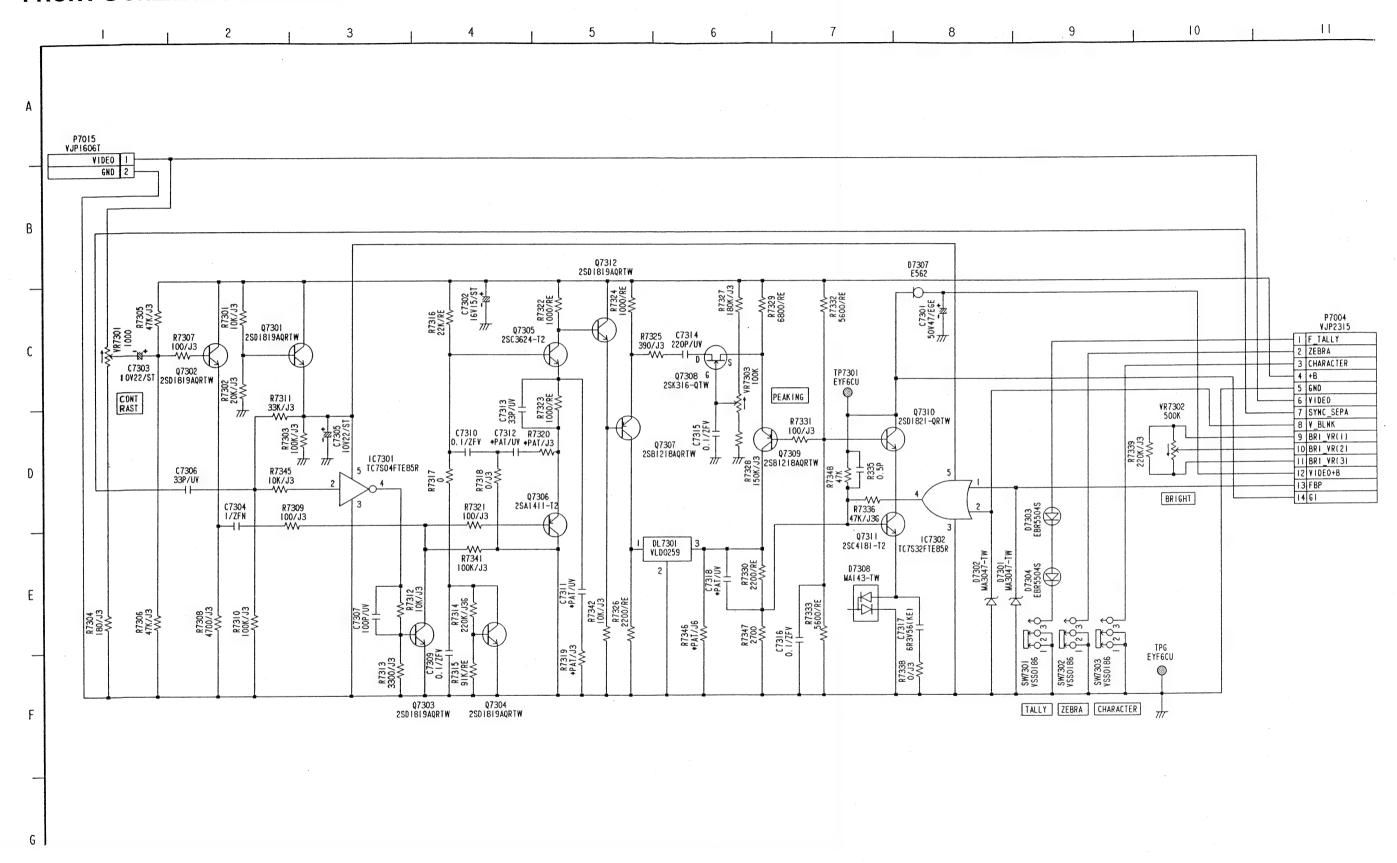
COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.

WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

CN SCHEMATIC DIAGRAM

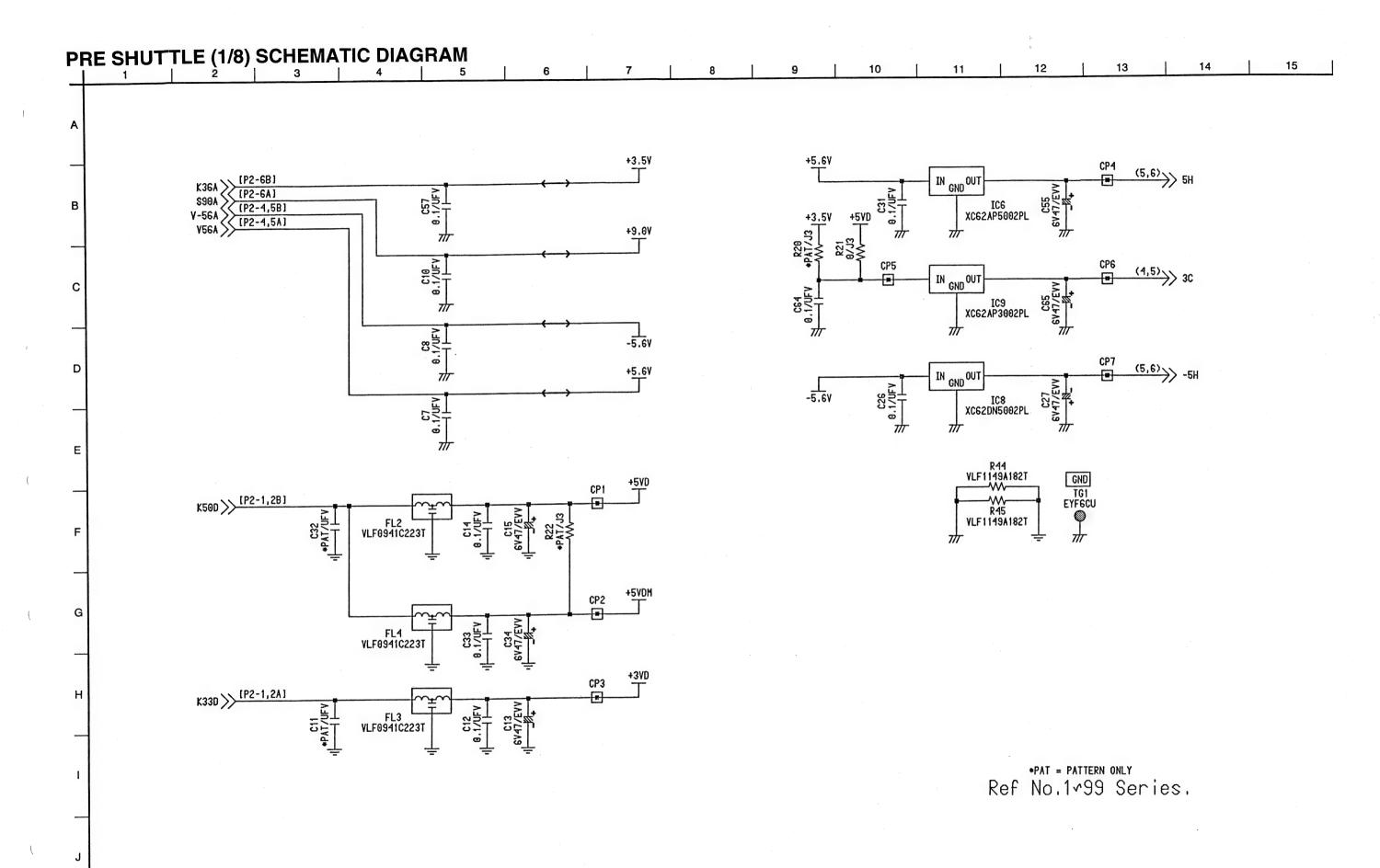


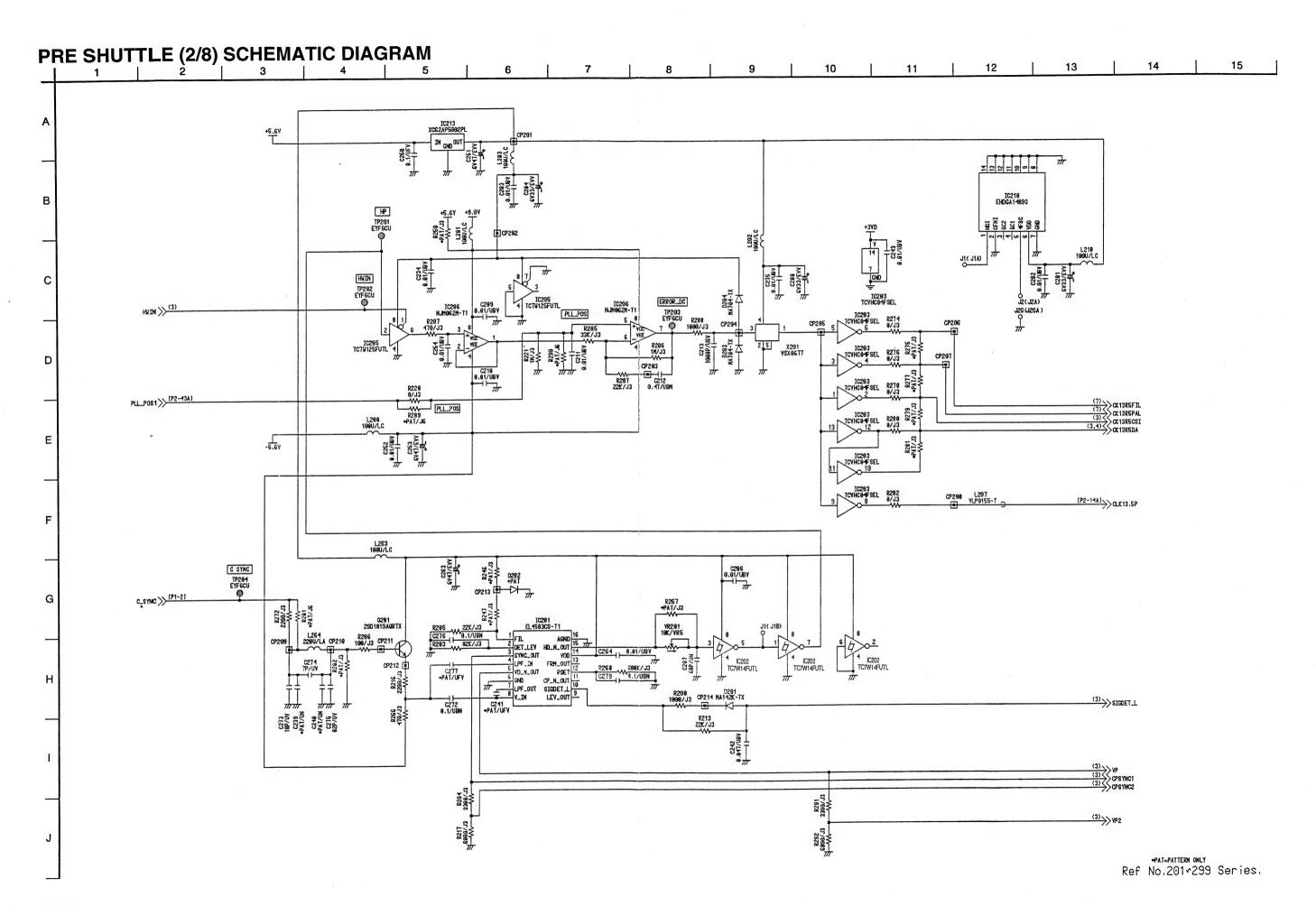
FRONT SCHEMATIC DIAGRAM

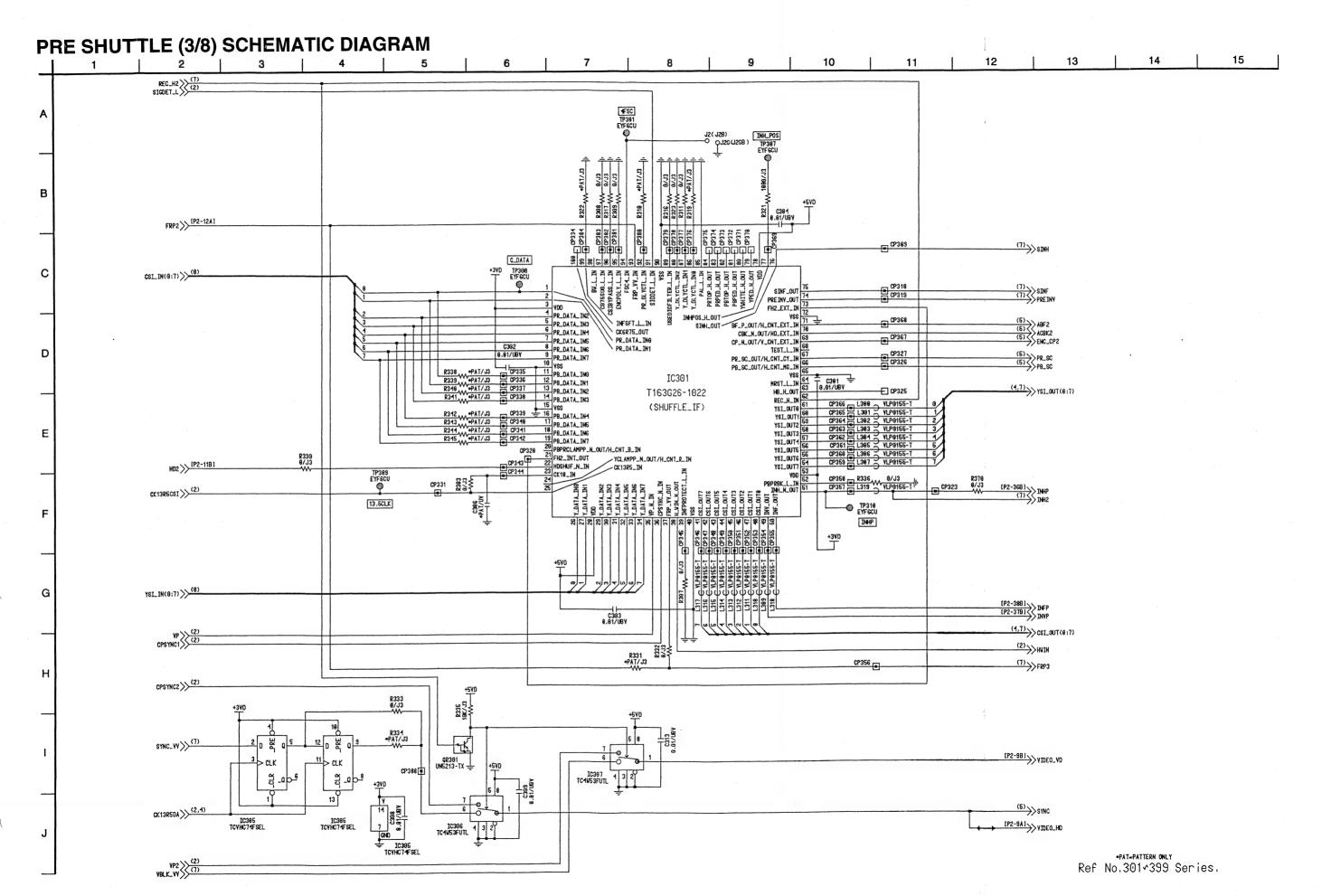


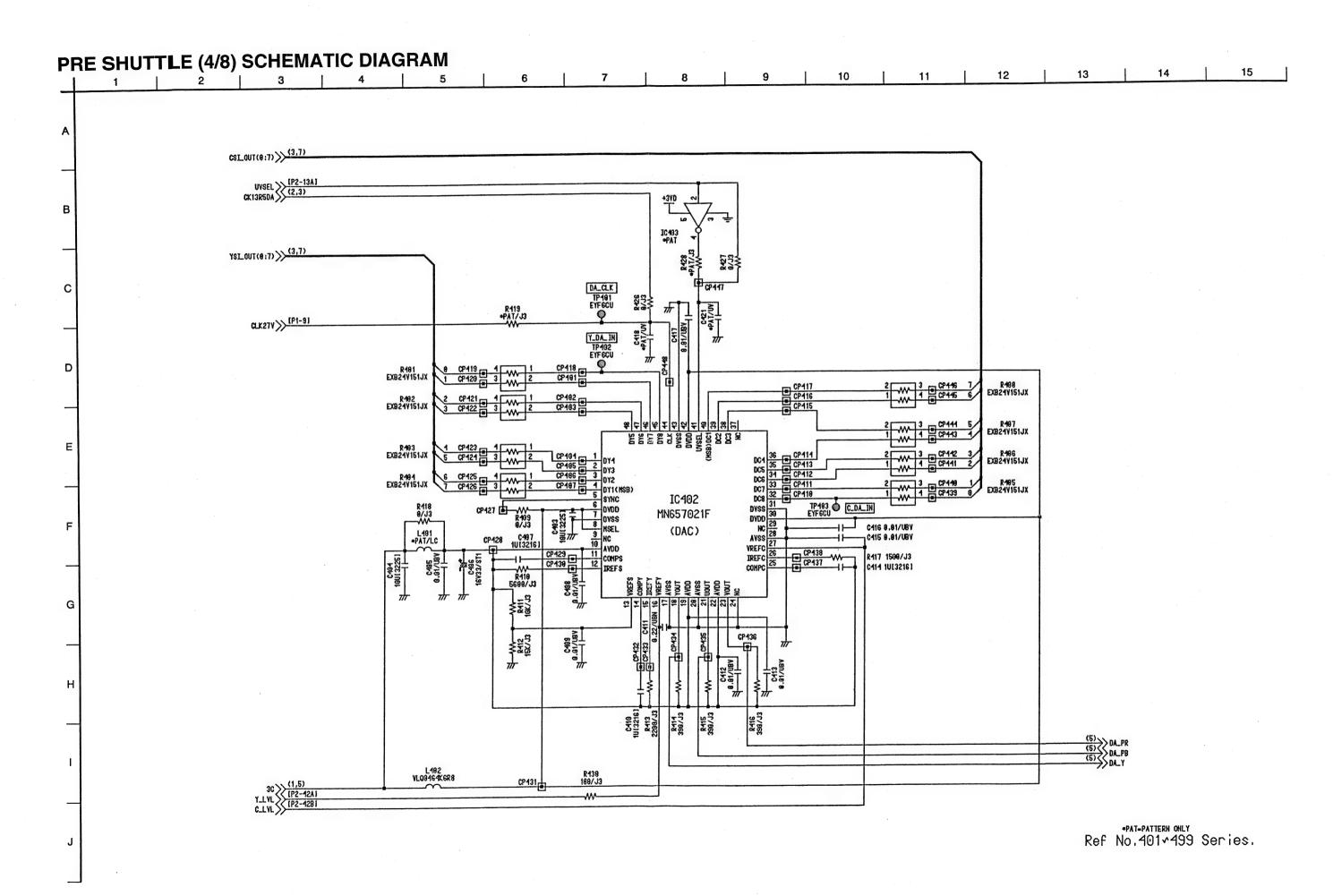
CRT MASK SCHEMATIC DIAGRAM Д В SAVE I O-GAIN 2 O-BATT WRN 4 O-AUDIO 5 O-TALLY 6 0-GND 7 0-07503 AY2232S 07502 AY2232S D7501 BG2232S D

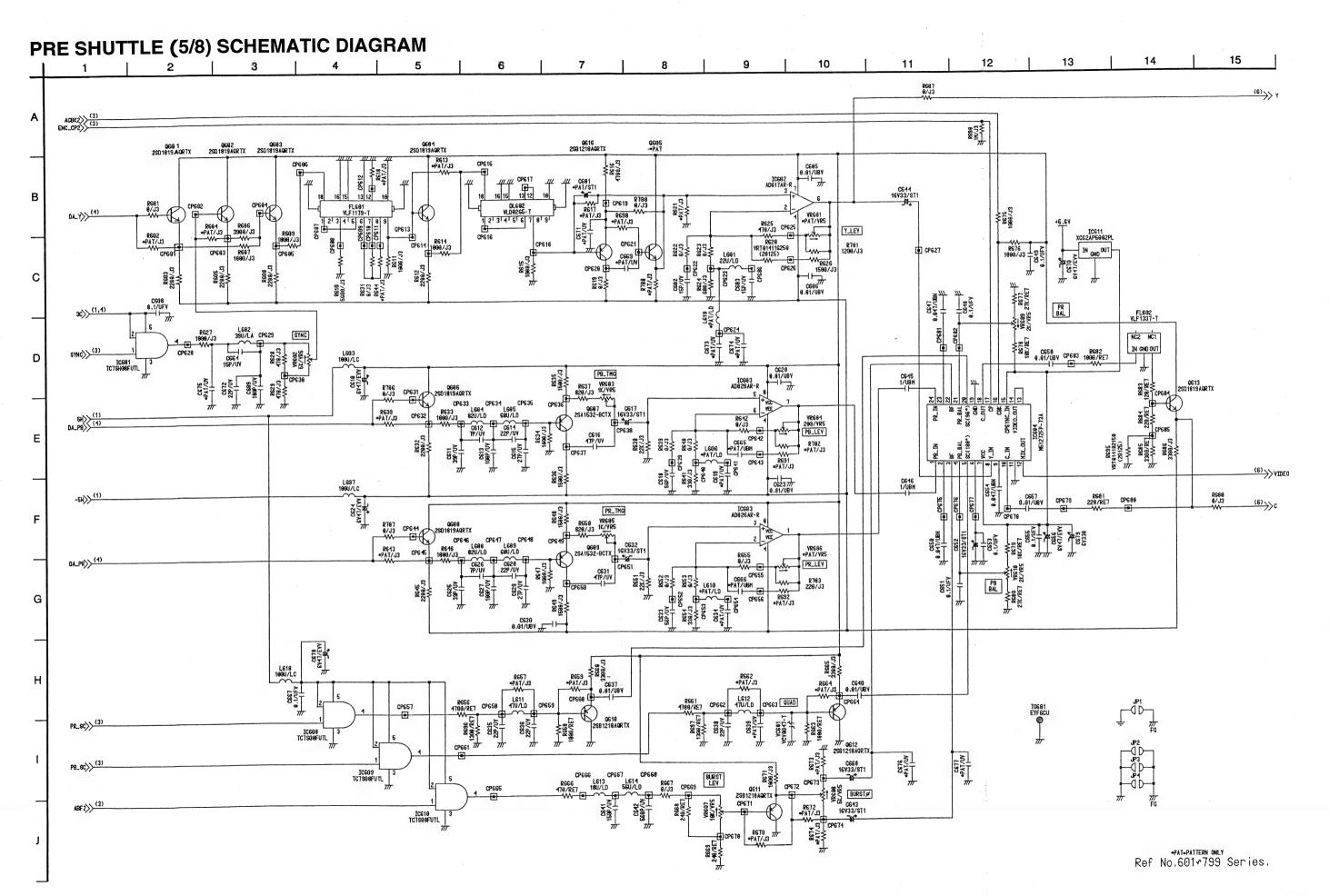
OPERATION SENSOR SCHEMATIC DIAGRAM А SW6001 EVQPHL03T SW6002 EVQPHL03T P501 VJP3125D010 SW6003 EVQPHL03T PLAY REW SW L | SW6004 EVQPHL03T FF SW L 2 STOP PLAY SW_L 3 SW6005 EVQPHL03T STOP SW L 4 EJECT EJECT SW L 5 GND 6 *TH* 7/7 PLAY LED 7 FF LED 8 REW LED 9 D6001 BR1102W-1-TR BACK TALLY LED 10 D6002 BR1102W-1-TR 110 D6003 BR1102W-1-TR J2 Q 7/

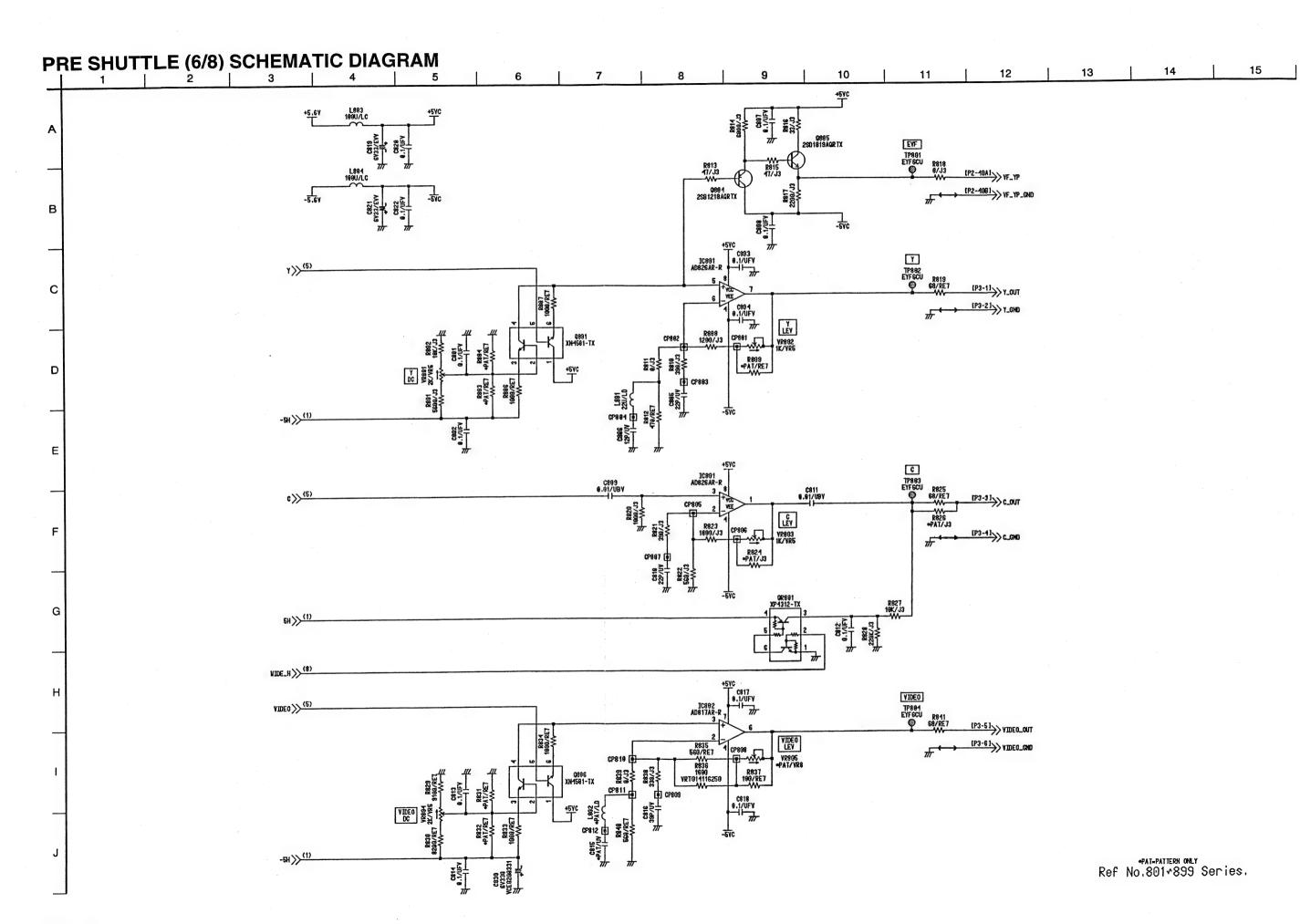


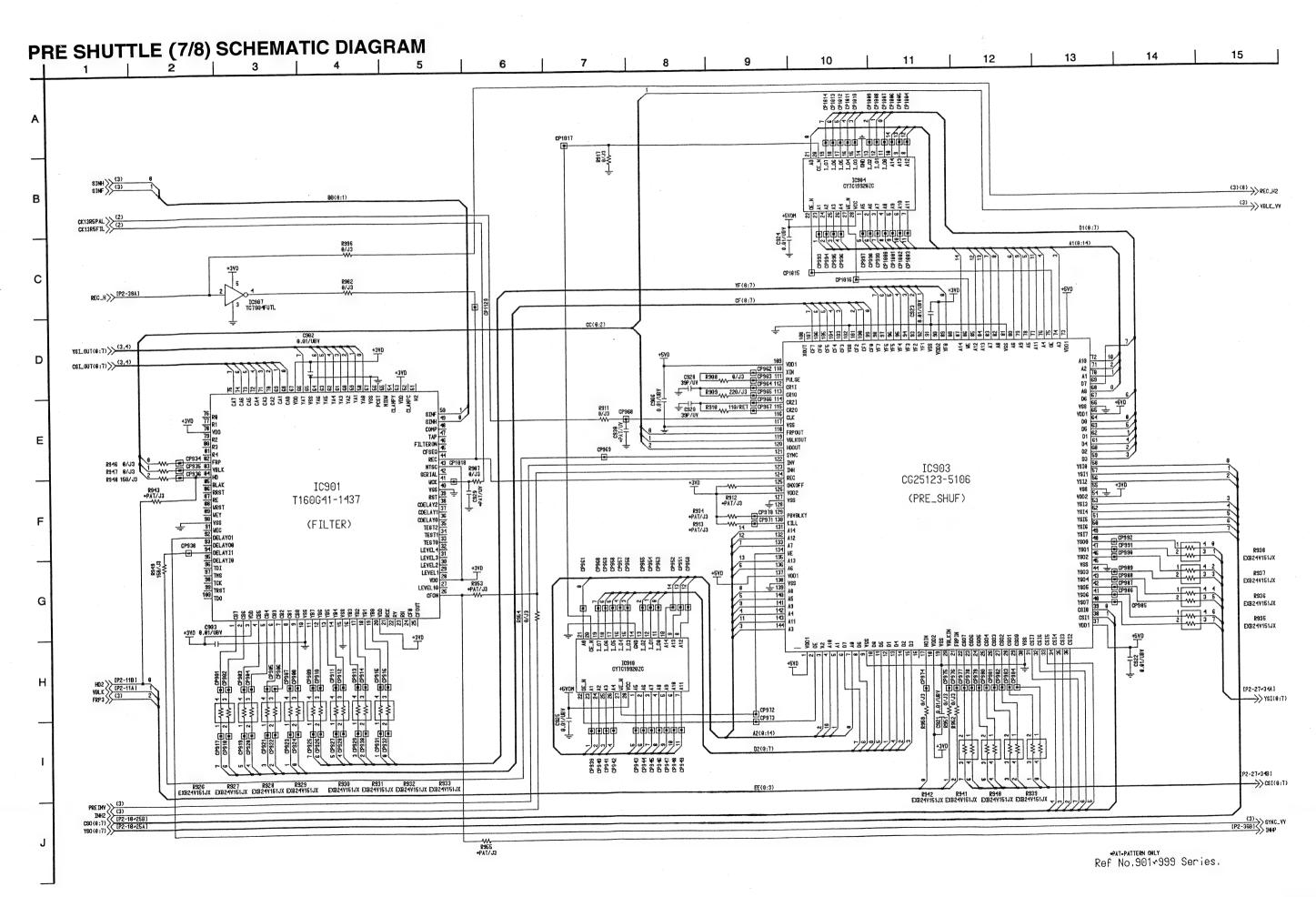


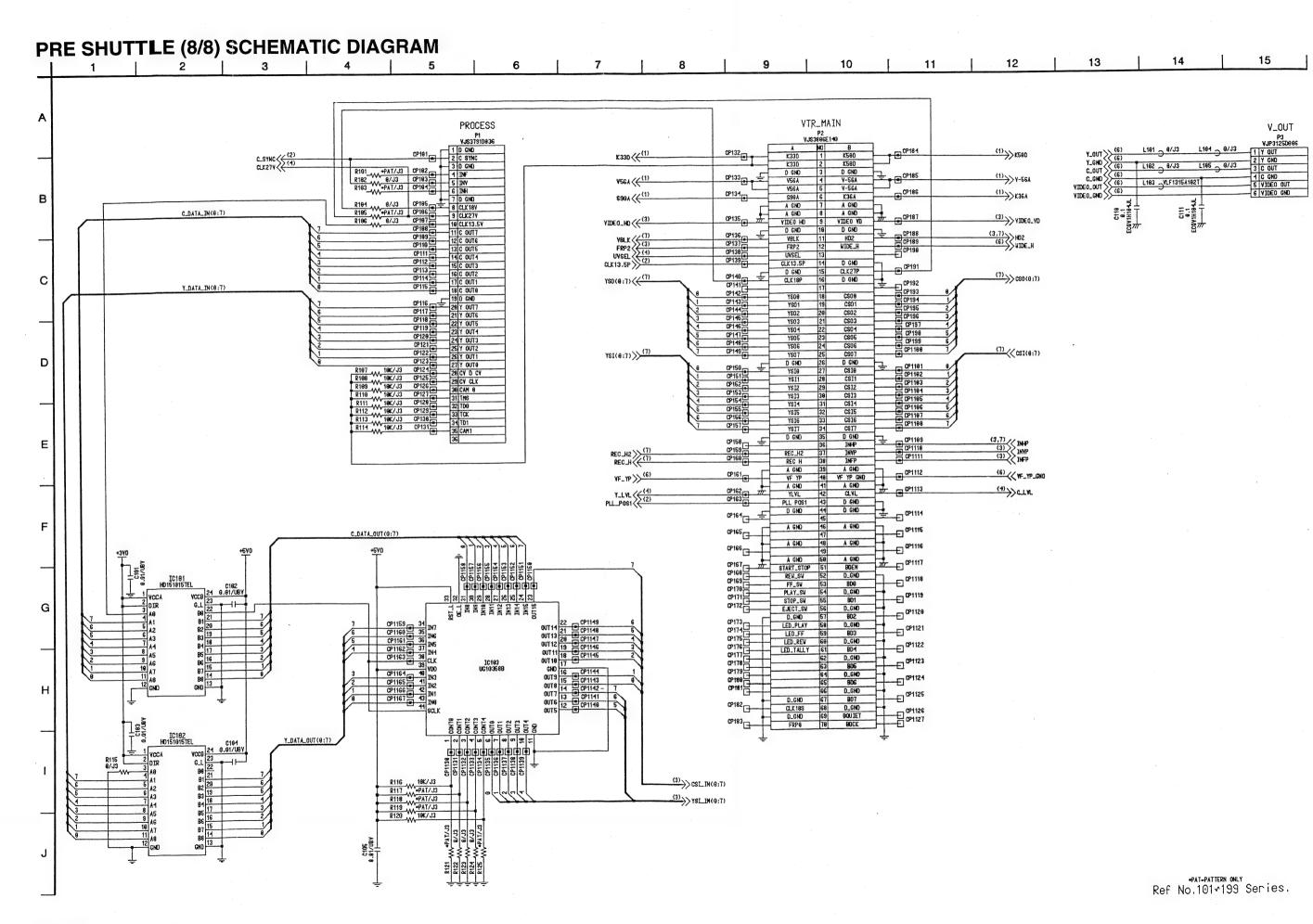












AV OUT SCHEMATIC DIAGRAM 7 Α VIDEO OUT J3 VJS3154 В P9700 VJP1610T L1 __VLP0147 6 GND 5 VIDEO_OUT 4 GND VLP0147 С 3 C L4 2 GND → VLP0147 S_VIDEO OUT 1 Y J4 VJS3155 20 D 3 σ Е 7/7 F P9701 L7 VJP0352 AUDIO OUT VJP1607T J5 VJJ0323 3 AUDIO_CH2 G L6 2 AUDIO_GND VJP0352 AUDIO_CH1 C6 1000P/UBV C7 1000P/UBV Н

CIRCUIT BOARD DIAGRAMS

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VIDEO MAIN P.C.BOARD	CBA-2
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FRONT P.C.BOARD	CBA-11
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NOTE

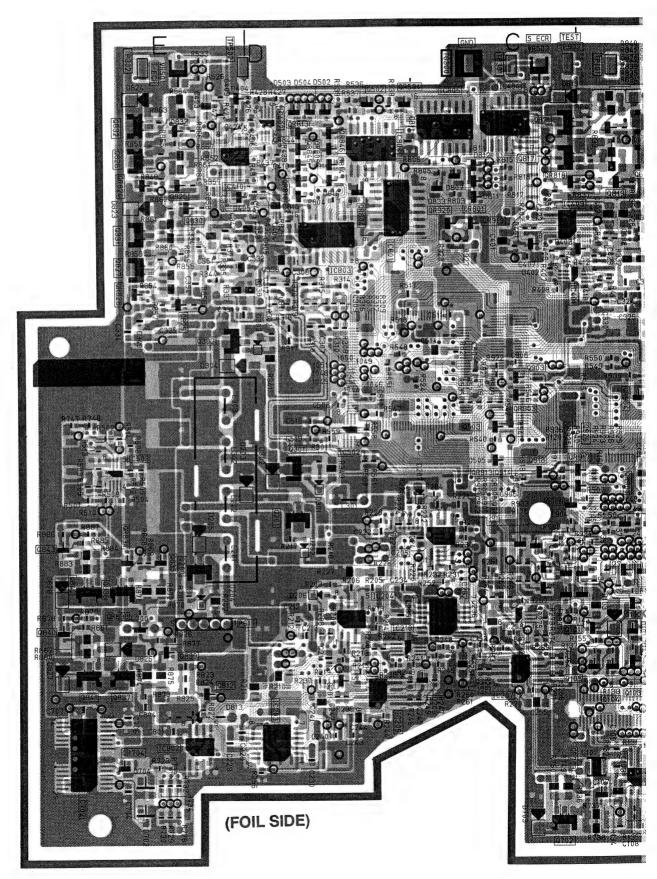
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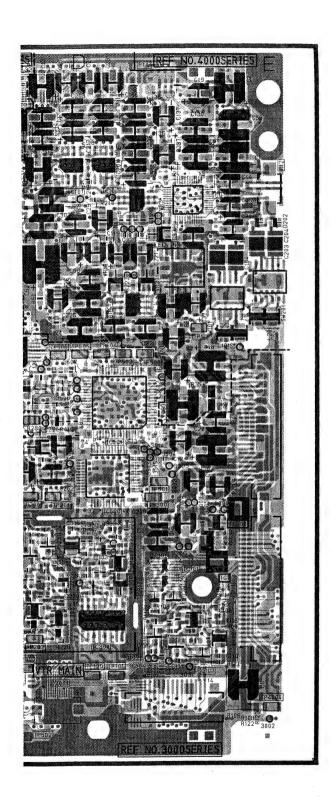
COMPONENTS IDENTIFIED WITH THE MARK \triangle HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. FOR CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST.

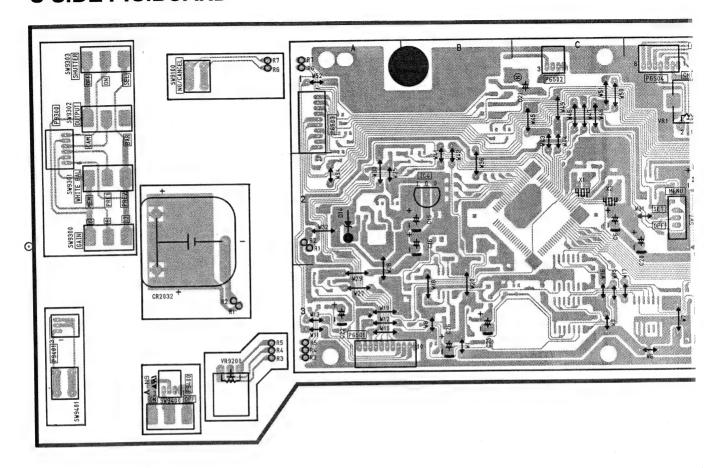
AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPAI

SERVO P.C.BOARD

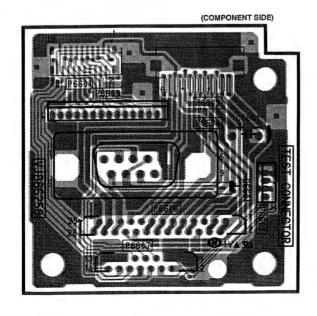


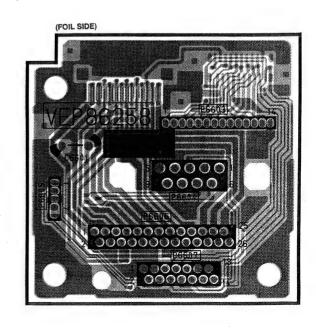


S-SIDE P.C.BOARD



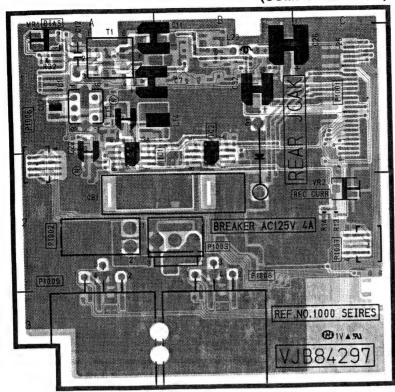
TEST CONNECTOR P.C.BOARD



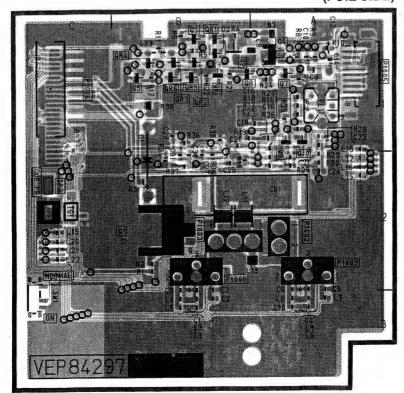


REAR JACK P.C.BOARD

(COMPONENT SIDE)

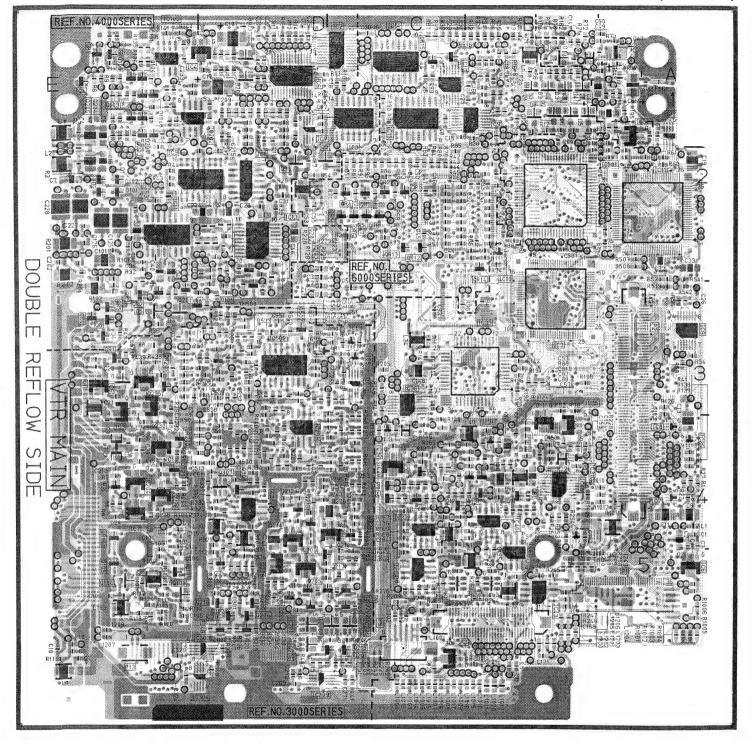


(FOIL SIDE)

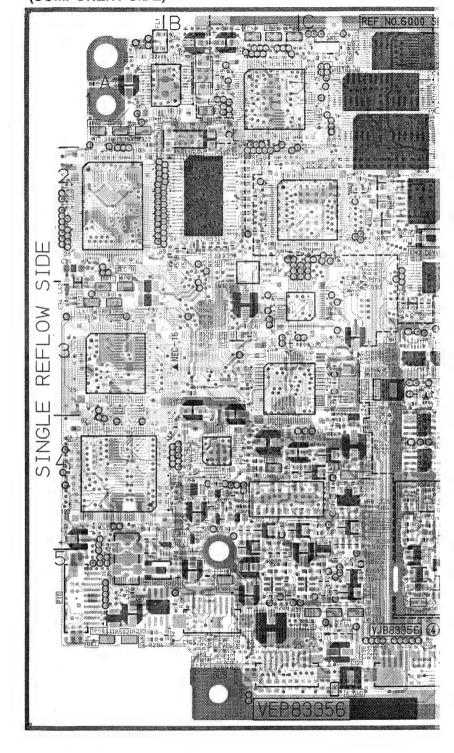


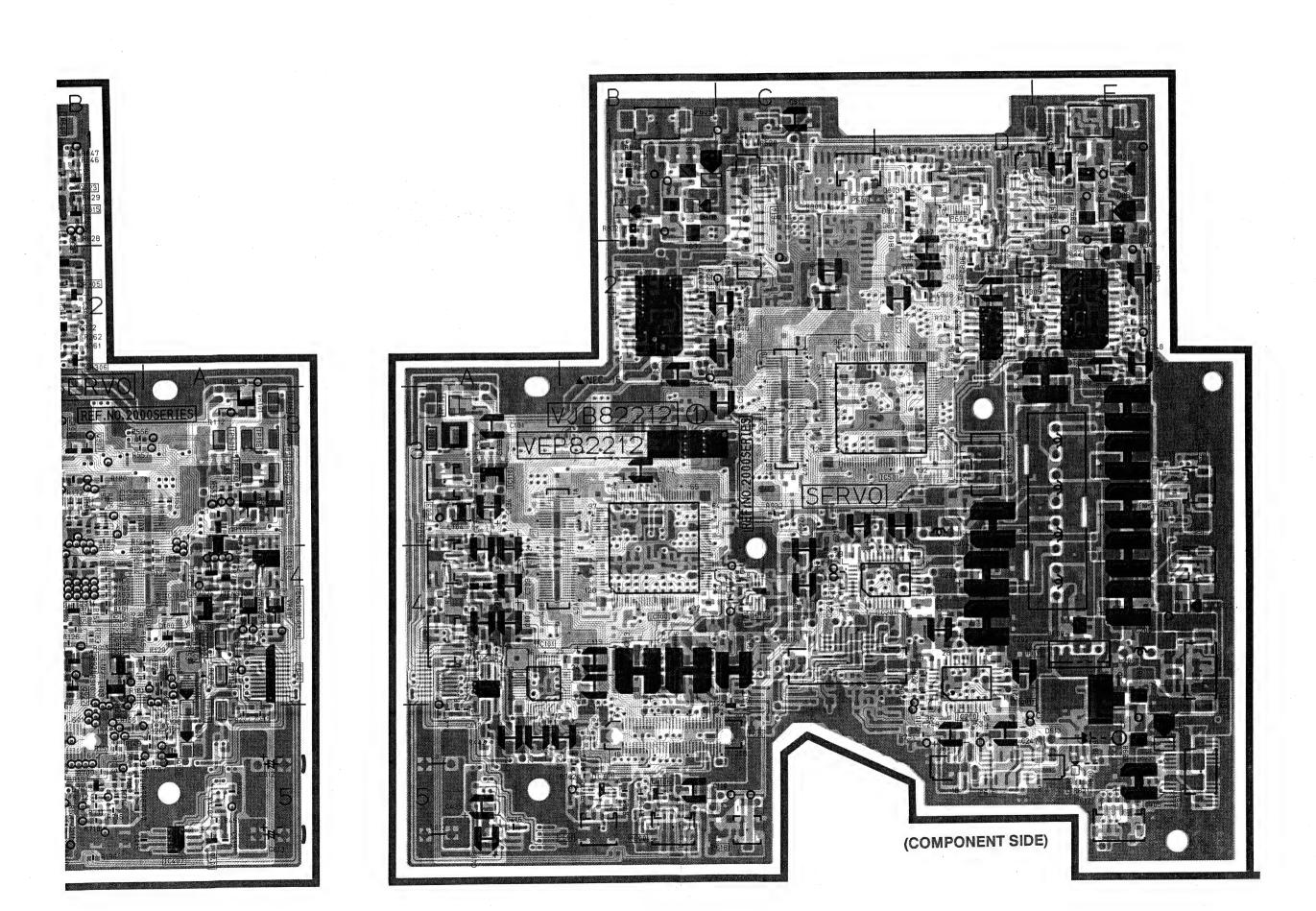
VIDEO MAIN P.C.BOARD

(FOIL SIDE)



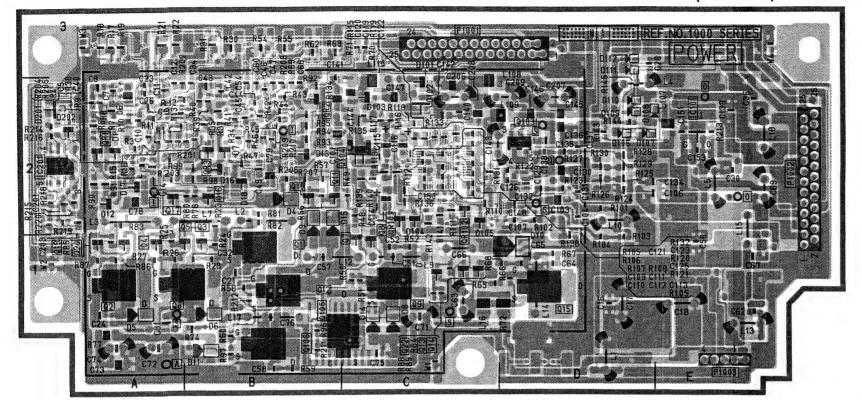
(COMPONENT SIDE)



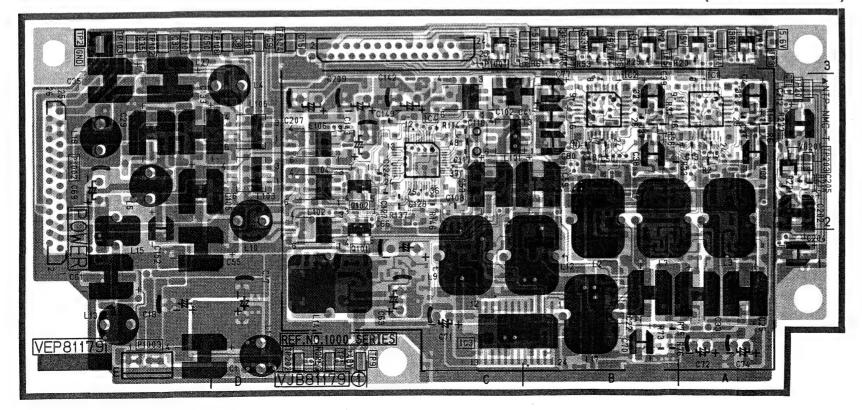


POWER P.C.BOARD

(FOIL SIDE)

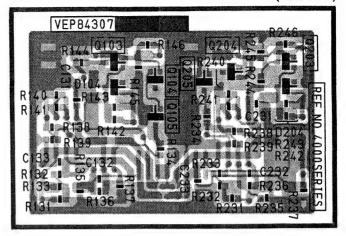


(COMPONENT SIDE)

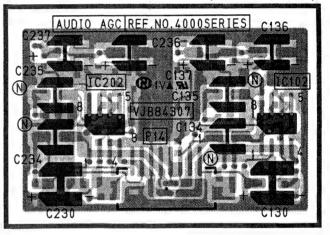


AUDIO AGC P.C.BOARD

(FOIL SIDE)

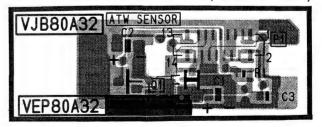


(COMPONENT SIDE)

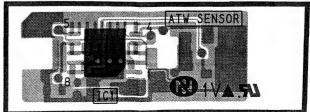


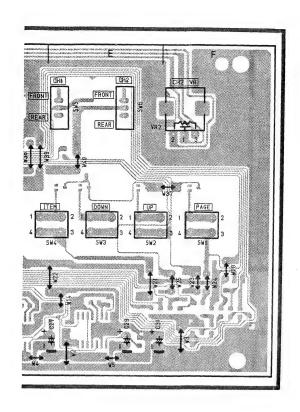
ATW SENSOR P.C.BOARD

(COMPONENT SIDE)

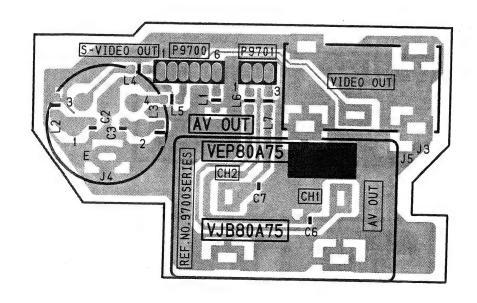


(FOIL SIDE)

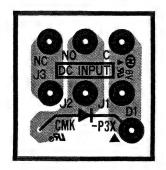




AV OUT P.C.BOARD

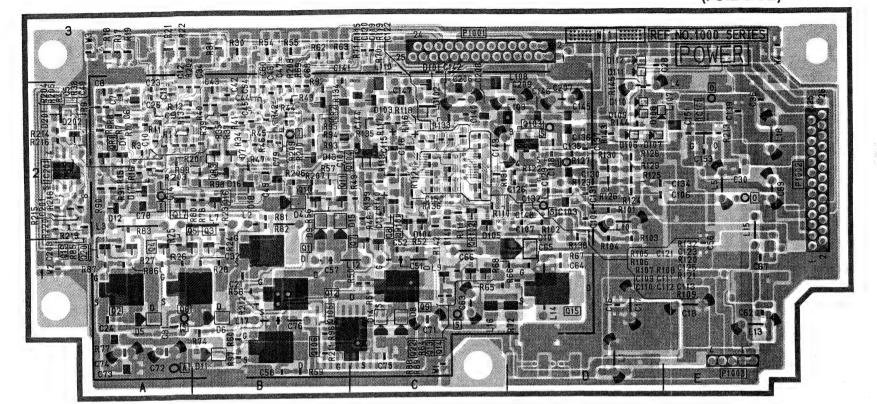


DC INPUT P.C.BOARD

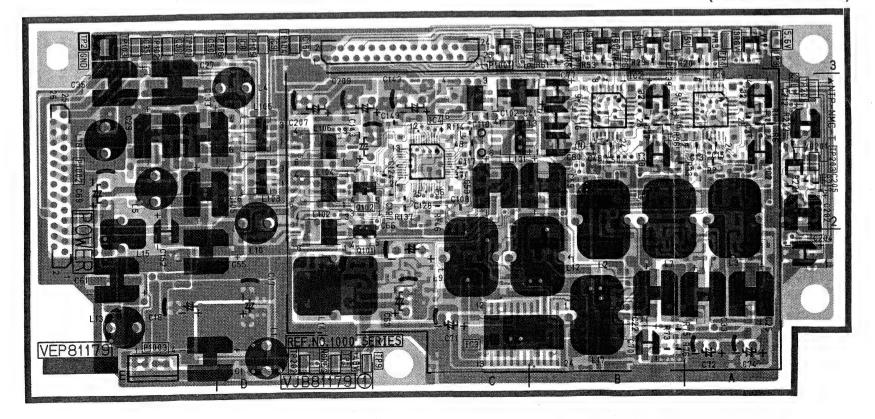


POWER P.C.BOARD

(FOIL SIDE)

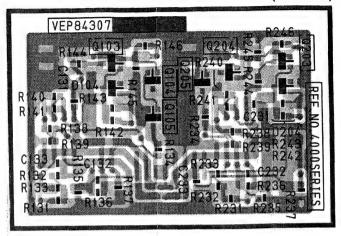


(COMPONENT SIDE)

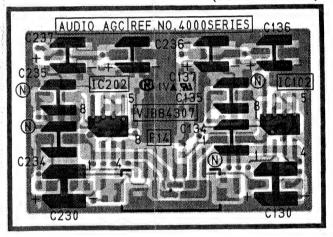


AUDIO AGC P.C.BOARD

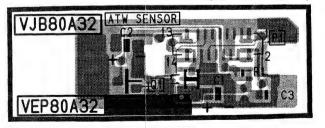
(FOIL SIDE)



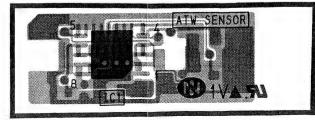
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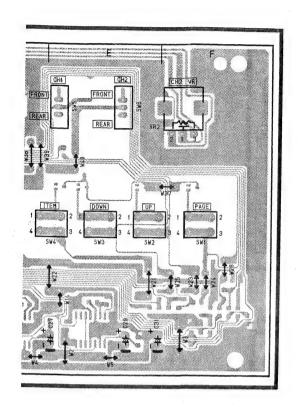


ATW SENSOR P.C.BOARD (COMPONENT SIDE)

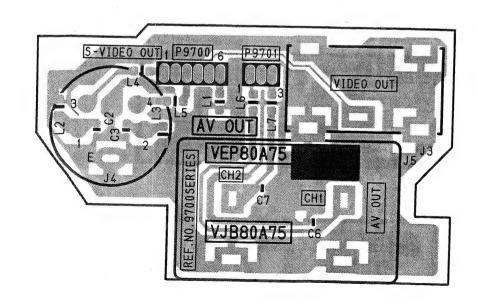


(FOIL SIDE)

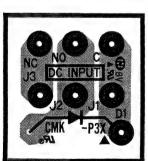




AV OUT P.C.BOARD

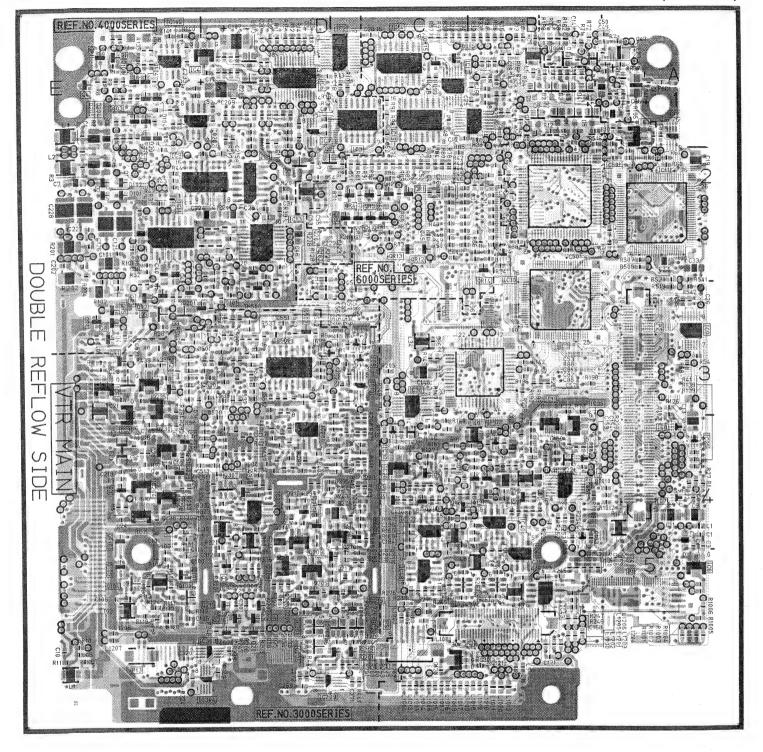


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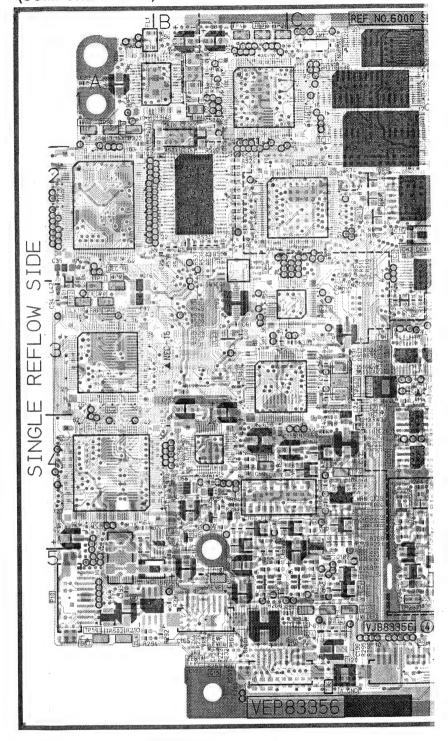


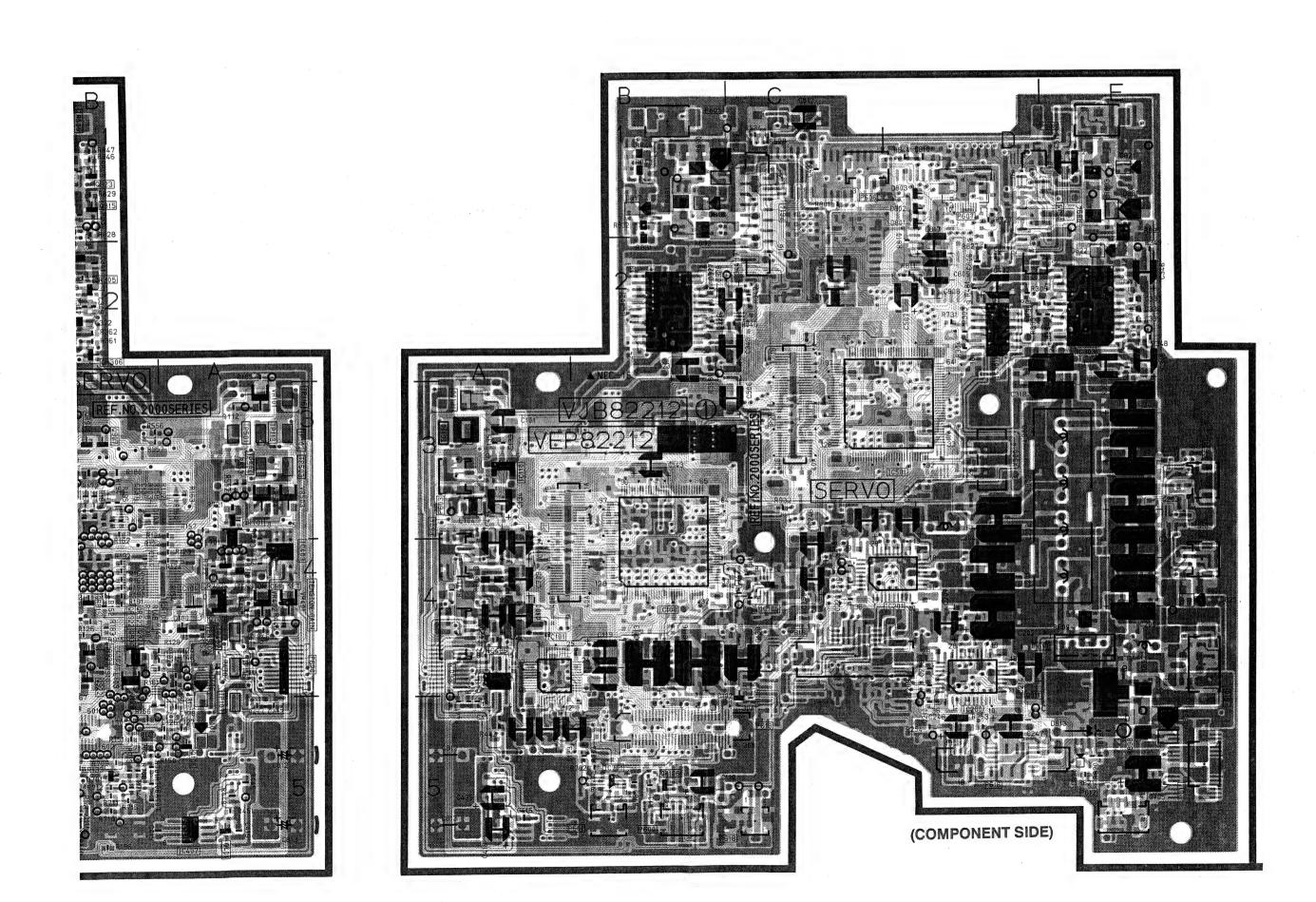
VIDEO MAIN P.C.BOARD

(FOIL SIDE)

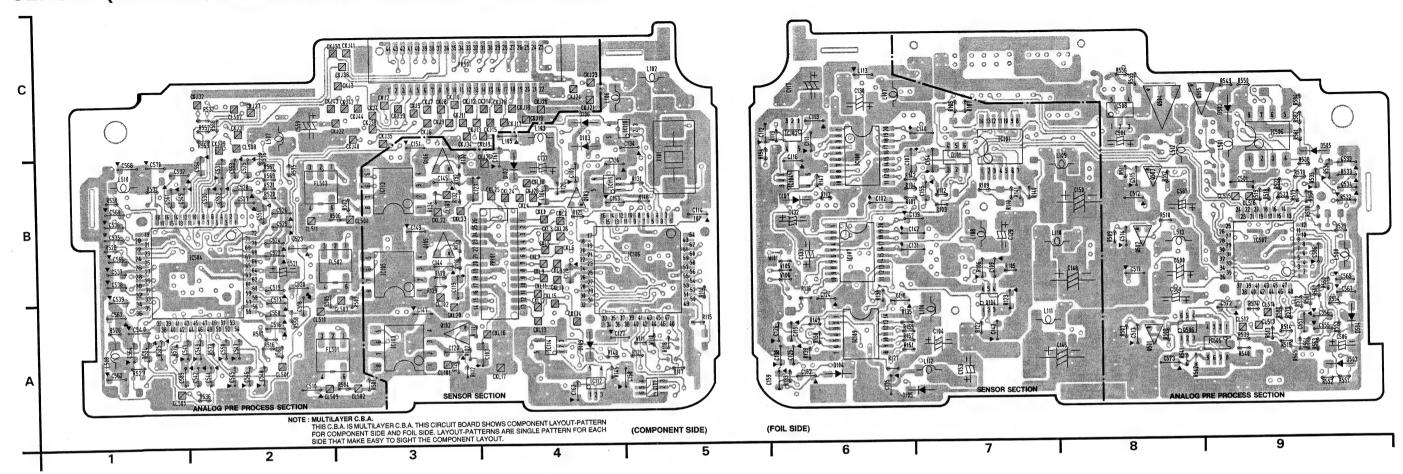


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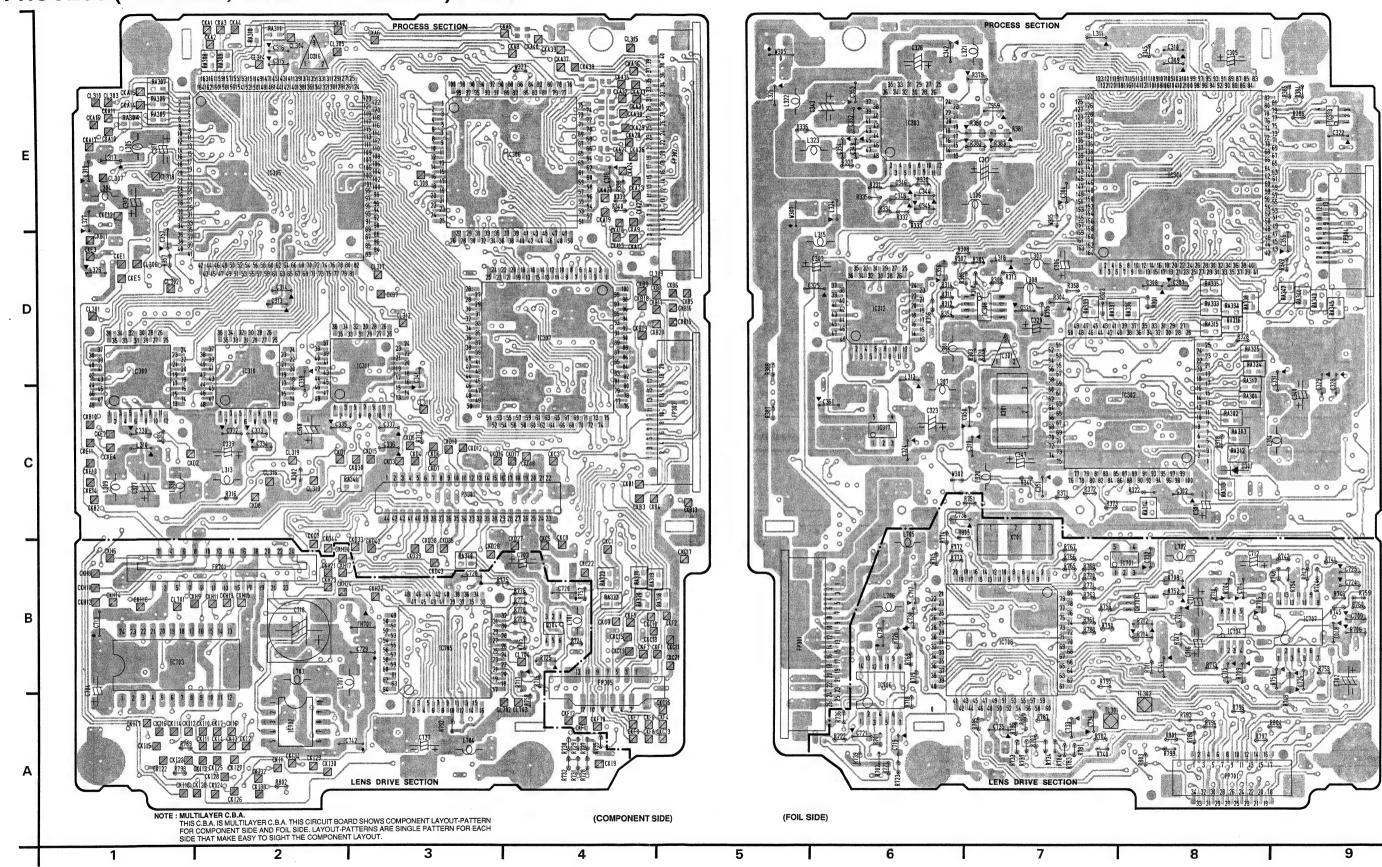


SENSOR (SENSOR, ANALOG PRE PROCESS Section) C.B.A.



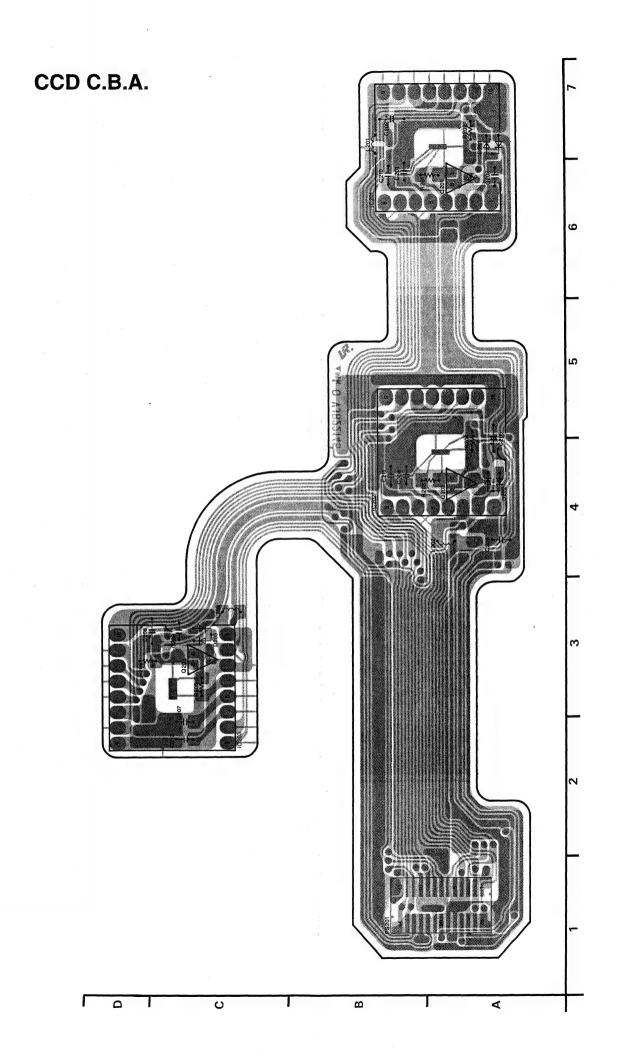
					•					SENSO	R C.B.A.										
ntegrated Cir	rcuit	Diode		Connector		Capacitor		C142 C143	B-6 A-7	C523 C524	B-2 B-2	C559 C560	C-2 A-8	R118 .	A-5 C-6	R502 R503	A-3 B-3	R538 R539	B-9 A-9	R580 R581	A-9 C-9
IC101	C-7	D101	B-7	PP101	B-4	C102	B-6	C143	B-3	C525	B-2	C561	B-1	R120	A-3	R504	A-3	R540	A-9	R582	C-9
IC102	C-6	D102	B-4	PP501	C-3	C103	A-4	C145	B-3	C526	B-2	C562	A-1	R121	A-5	R505	A-2	R541	A-8	R583	A-2
IC102	A-3	D103	C-4			C104	A-7	C146	A-8	C527	B-2	C563	A-1	R122	A-7	R506	B-3	R542	A-8	R584	C-9
IC104	B-6	D104	A-6	Crystal Oscil	lator	C105	B-4	C147	A-3	C528	B-2	C564	A-1	R123	A-7	R507	A-8	R549	C-9	Wire	
IC105	B-3	D105	A-6	X101	B-5	C107	B-6	C148	B-8	C529	B-2	C565	B-9	R124	B-3	R508	A-8	R550	C-9	W101	B-6
IC106	B-4	D106	C-4	7,101	5-5	C109	B-7	C149	B-3	C530	B-2	C566	B-1	R125	B-4	R509	B-8	R551	A-9 A-9	W105	B-6
IC107	B-6	D107	B-6	Filter		C111	C-6	C150	B-8	C531	B-2	C567	A-9	R126	B-4	R510	B-8	R552 R553	A-9	W105	B-6
IC108	B-6	D109	A-4	Filter		C112	B-5	C151	C-3	C532	B-1	C568	B-1	R127	A-6	R511	B-8	R554	A-9	W110	A-5
IC109	A-6	D502	C-9	FL501	A-2	C113	C-6	C152	A-6	C533	B-9	C569	B-1	R128	B-3	R512	B-8 A-9	R555	C-8	W111	A-5
IC110	C-4	D503	A-9	FL502	B-2	C114	B-5	C153	A-7	C534	B-9	C570	B-1	R129	B-3	R513		R556	C-8	W112	B-7
IC111	B-4	D504	A-9	FL503	B-2	C115	A-6	C154	B-7	C535	B-1	C572	A-9	R130	B-3	R514 R515	A-9 A-9	R557	C-2	*****	
IC112	A-4	D505	C-9			C116	B-6	C155	B-7	C536	B-1	C573	A-8	R131	B-5		A-9 A-2	R558	A-2	· ·	
IC113	B-3			Coil		C117	C-6	C158	A-4	C537	B-1	C585	B-8	R132	B-3	R516	A-2	R559	C-2		
C114	A-4	Test Point		L102	C-5	C118	A-6	C159	A-6	C538	B-1	C586	B-9	R133	A-6	R517 R518	B-9	R560	A-9		
IC504	B-2		T	L102	C-4	C119	B-3	C161	B-4	C539	B-1	C589	A-1	R134	B-3	R519	B-9	R561	A-9		
IC505	A-9	CL101	A-3	L103	B-4	C120	A-3	C162	A-4	C540	A-1	Resistor		R135	A-6	R520	B-3	R562	A-9		
IC506	C-9	CL102	B-3	L105	C-4	C123	B-3	C163	B-4	C541	A-2		T 50	R136	B-3 B-3	R521	B-2	R563	A-9		
C507	B-9	CL103	B-3	L105	C-4	C124	A-6	C500	B-8	C542	A-2	R101	B-6	R138	A-6	R522	B-9	R564	A-9	ŀ	
C508	C-8	CL501	A-2	L107	C-6	C125	A-6	C501	B-9	C543	A-2	R102	A-3	R139	A-6 A-6	R523	B-9	R565	A-9		1
		CL502	A-3	L108	B-7	C126	A-6	C504	C-8	C544	A-2	R103	B-7	R140	B-7	R524	A-1	R566	C-2		
ansistor		CL503	A-3	L109	B-8	C127	A-4	C506	A-9	C545	A-2	R104	B-6	R141	B-7	R525	A-1	R567	B-2		
0.100	A-3	CL504	B-3	L110	B-7	C128	B-4	C510	A-2	C546	A-2	R105	B-7 B-7	R142	B-6	R526	A-1	R568	B-9	1	1
2102	B-4	CL505	A-1	L111	A-7	C129	B-7	C511	B-8	C547	A-2	R106	C-7	R142	A-4	R527	A-1	R569	B-2	1	1
2103	A-7	CL507	C-2	L112	A-7	C130	C-6	C512	B-8	C548	A-2	R107 R108	C-7	R146	B-5	R528	B-1	R570	B-9	1	- 1
Q104	B-3	CL508	C-2	L113	C-6	C131	B-6	C513	A-8	C549	B-1		B-7	R147	B-6	R529	B-9	R571	A-1		
2105	B-3	CL509	A-2	L114	A-7	C132	B-6	C514	B-8	C550	A-2	R109	B-7	R148	A-4	R530	B-1	R572	A-9		
2106	A-5	CL510	A-2	L501	C-9	C133	B-6	C515	B-8	C551	B-2	R110	A-3	R149	A-6	R531	B-1	R573	A-2		
2107	A-8	CL511	B-2	L507	C-2	C134	C-5	C516	A-2	C552	B-2	R111	A-3 A-3	R150	A-6	R532	B-9	R574	A-9		
2501 2502	B-8	CL512	A-9	L508	A-1	C135	A-6	C517	B-2	C553	B-2	R112 R113	B-6	R151	A-6	R533	B-9	R575	B-2		
Q502 Q503	B-8	CL513	A-9	L509	B-9	C136	B-4	C518	A-2	C554	B-2 A-9	R114	B-5	R152	A-6	R534	B-9	R576	B-2		
Q503 Q504	C-8	CL514	A-9	L510	B-1	C137	B-4	C519	B-2	C555		R114 R115	A-5	R153	A-6	R535	B-9	R577	B-9		
	C-8	CL515	B-9	L512	C-8	C138	A-6	C520	B-2	C556	A-9	R116	B-6	R154	B-5	R536	A-2	R578	B-9	1	
Q505 Q506	A-8	CL516	B-9	L512	B-8	C139 C140	B-6 C-7	C521 C522	B-2 B-2	C557 C558	A-9 A-2	R116	A-5	R501	A-3	R537	C-2	R579	A-9		

PROCESS (PROCESS, LENS DRIVE Section) C.B.A.

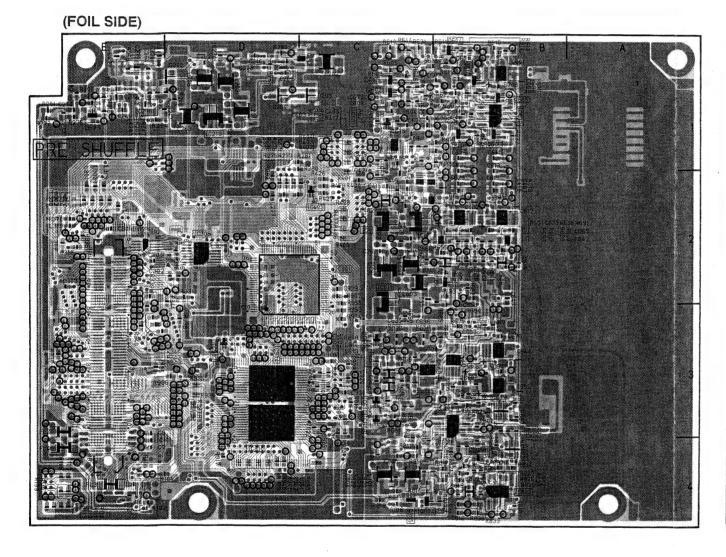


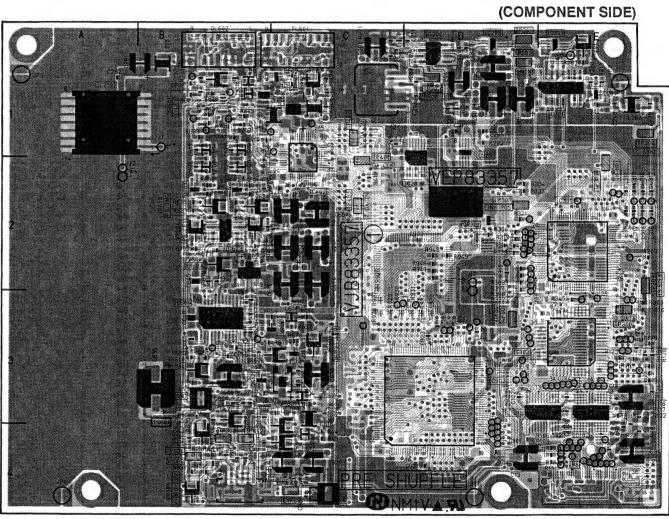
				PROCI	ESS C.B.A.				
Integrated Cir	cuit	L306	E-7	C354	E-6	R379	E-7	R780	A-8
IC301	D-7	L307	D-6	C355	D-9	R380	E-7	R781	A-7
IC301	C-7	L308	D-7	C356	D-6	R381	E-7	R782	A-7
	E-6	L309	C-1	C357	D-1	R382	E-7	R783	A-7
IC303 IC304	E-8	L310	C-1	C358	C-2	R383	E-7	R784	A-7
		L311	F-7	C359	E-7	R384	E-9	R785	A-7
IC305	E-2	L312	D-6	C361	C-6	R385	E-9	R786	A-7
IC306	E-4	L313	C-2	C701	B-8	R386	E-9	R787	A-7
IC307	D-4	L314	C-9	C702	B-9	R387	C-5	R788	B-7
IC308	D-7	L315	D-6	C703	B-4	R388	D-5	R789	A-1
IC309	D-1	L317	E-1	C704	B-1	R701	A-6	R790	B-7
IC310	D-2	L318	D-7	C709	B-9	R702	A-6	R792	A-3
IC311	D-3	L319	E-1	C711	B-8	R703	A-7	R793	A-8
IC312	D-6				B-8		B-8		
IC313	E-9	L320	C-7	C712		R704		R794	A-8
IC316	F-2	L321	F-7	C713	B-1	R705	B-8	R795	B-7
IC317	C-6	L322	F-5	C714	B-8	R706	B-9	R796	A-8
IC701	B-8	L323	E-6	C715	B-8	R707	B-9	R797	A-8
IC702	A-2	L324	E-6	C716	B-8	R708	B-8	R798	A-1
		L325	E-5	C717	B-6	R709	B-8	R799	A-8
IC703	B-1	L326	D-1	C718	B-2	R710	B-8	R801	A-8
IC704	B-8	L327	E-1	C719	A-6	R711	B-8	R802	A-2
IC705	B-3	L330	C-1	C720	B-4	R712	B-8	R803	A-8
IC706	B-6	L701	B-4	G721	A-6	R713	B-8	R804	A-9
IC707	B-9		B-8	G724	B-9	R714	B-8		
IC708	B-7	L702 L703			B-9			R805	C-7
			B-2	C725		R715	B-6	R806	A-7
Transistor		L704	A-3	C726	B-9	R716	B-4	Resistor Arra	ay
Q704	B-4	L705	C-6	C727	A-3	R717	B-4		
		L706	B-6	C728	B-3	R718	A-6	RA301	C-8
Transistor & I	Resistor	L707	B-2	C729	B-3	R719	B-6	RA302	C-8
		Capacitor		C730	B-6	R721	A-6	RA303	C-8
QR701	B-8	Capacitor		C731	B-6	R722	A-6	RA304	E-1
Diode		C301	C-8	C732	B-8	R723	A-6	RA305	E-1
		C302	C-8	C733	A-7	R724	B-4	RA306	E-1
D301	C-8	C303	D-6	C734	A-7	R725	B-4	RA307	E-1
Total Dalas		C304	E-7	C735	A-7	R726	B-6	RA308	F-2
Test Point		C305	F-8	C736	C-7	R727	A-4	RA309	F-2
CL301	D-1								
CL302	D-1	C306	D-7	C741	B-8	R728	A-4	RA310	F-2
CL303	E-1	C307	D-8	C742	A-2	R729	A-4	RA311	F-2
CL304	F-2	C308	D-8	Resistor		R730	A-4	RA312	C-8
		C309	F-8			R731	A-4	RA313	C-8
CL305	F-2	C310	F-8	R301	D-8	R732	A-4	RA314	C-8
CL306	D-1	C311	E-1	R302	C-2	R733	A-7	RA315	D-8
CL307	E-1	C312	E-1	R303	D-7	R734	A-7	RA316	D-8
CL308	E-3	C313	D-2	R304	D-7	R735	A-4	RA317	D-8
CL309	D-4	C314	D-2	R305	D-7	R736	A-6	RA318	B-4
CL310	E-1	C315	F-2	R306	D-7	R737	A-7	RA319	B-4
CL311	C-3					R739			
CL312	D-3	C316	F-2	R307	D-7		A-6	RA320	B-4
CL313	C-2	C317	E-7	R308	D-7	R740	A-7	RA321	B-4
CL314	F-2	C318	E-4	R309	D-7	R741	B-9	RA322	B-4
	F-4	C319	C-7	R310	D-7	R742	B-9	RA323	B-4
CL315		C320	D-7	R311	D-6	R743	B-9	RA324	D-8
CL316	C-2	C321	D-7	R312	D-6	R744	B-9	RA325	D-8
CL317	D-3	C322	E-9	R313	D-7	R745	B-9	RA333	D-8
CL318	E-1	C323	C-6	R314	D-6	R746	B-9	RA334	D-8
CL319	C-2	C324	C-6	R315	C-1	R747	B-8	RA335	D-8
CL701	B-1	C325		5040	C-2		1		
CL702	A-4	C326	D-6	R316	C-3	R748	B-9	HA336	D-8
CL703	A-4		F-6			R749	B-9	RA337	D-8
CL704	B-4	C327	C-1	R320	D-7	R750	B-8	RA338	D-8
TL301	A-7	C328	D-9	R322	C-8	R751	C-7	RA339	D-7
		C329	D-9	R323	D-7	R752	B-8	RA340	B-3
TL302	A-8	C330	C-1	R328	D-8	R753	B-9	RA341	C-3
Thermistor		C331	C-9	R330	E-6	R754	B-9	RA342	D-9
		C332	C-2	R331	E-6	R756	B-7	RA343	D-9
TH701	B-3	C333	C-2	R332	E-6	R757	B-4	RA344	D-9
Connect		C334	C-2	R333	E-6	R758	A-4	RA345	D-9
Connector		C335	C-2	R334	E-6	R759	B-9		
FP301	B-5	C336	C-3	R335	E-6	R760	B-9	Wire	
FP302	E-5	C337	C-3	R336	E-5	R761	B-9 B-7	Mooo	T 60
FP303	C-5			R337	E-6			W302	C-6
FP304	D-9	C338	D-2			R763	B-7	W305	F-5
	B-4	C339	C-2	R338	E-4	R765	B-7	W307	E-5
FP305		C340	C-9	R339	E-4	R766	B-7	W315	E-7
FP701	B-2	C341	D-3	R340	E-4	R767	B-7	W327	F-4
PP701	A-8	C342	F-6	R341	C-7	R768	B-7	W705	B-4
PS301	C-3	C343	E-6	R342	D-9	R769	B-6	1	1
Countri Conti	lotor	C344	E-6	R345	F-8	R770	B-7	1	1
Crystal Oscill	IA(OF	C345	E-6	R354	D-6	R771	B-7	J	1
X301	C-7	C346	E-6	R355	D-7	R772	B-6	1	
X701	C-7	C347	C-7	R356	D-6	R773	B-6		1
		C348	E-6	R357	D-0	R774			
0-11							C-6		
Coil	T = -	C349	E-6	R358	D-7	R775	B-3		1
		C350	C-7	R371	C-7	R776	B-4		1
L301	D-6					I D777	. D.4		
L301 L303	D-7	C351	C-7	R372	C-7	R777	B-4		1
L301		C351 C352 C353	C-7 E-6 E-6	R372 R373 R378	C-7 C-8	R778 R779	B-4 B-4		

ADDRESS INFORMATION

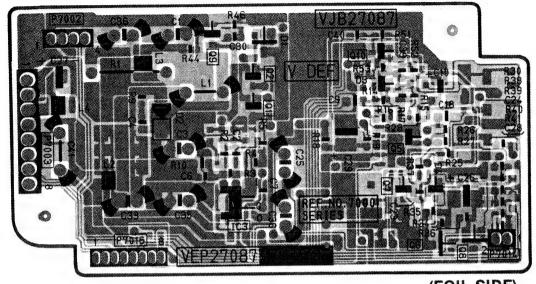


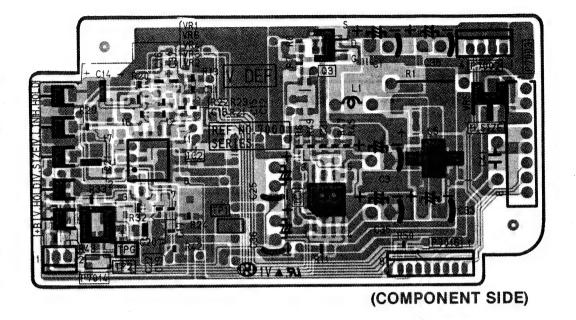
PRE SHUFFLE P.C.BOARD





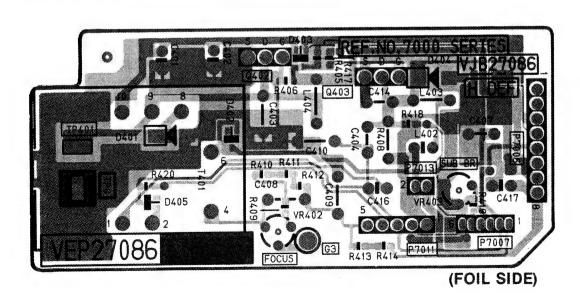
V DEF P.C.BOARD

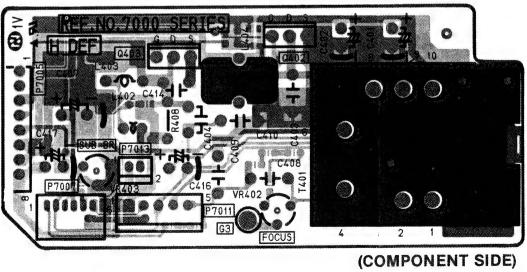




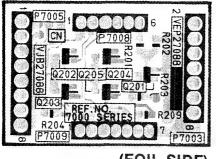
(FOIL SIDE)

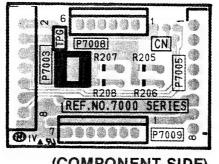
H DEF P.C.BOARD





CN P.C.BOARD

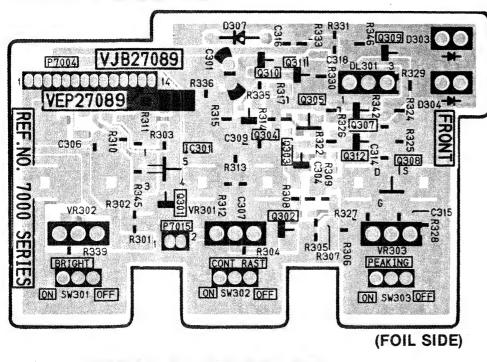


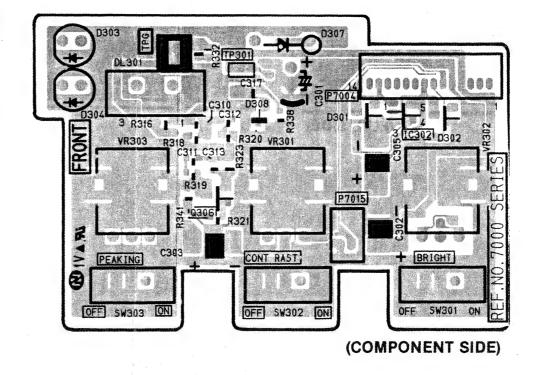


(FOIL SIDE)

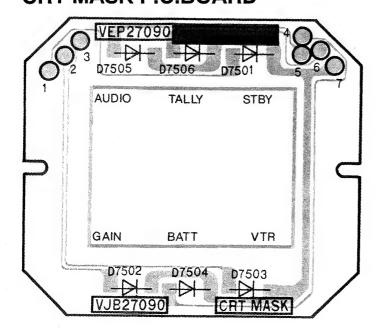
(COMPONENT SIDE)

FRONT P.C.BOARD





CRT MASK P.C.BOARD



SECTION 8

EXPLODED VIEWS PARTS LIST

NOTE:

- 1. *Be sure to make your orders of replacement parts according to this list.
- 2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are MICROFARADS (μF), P=μμF.
- 3. The P.C.Board units marked with "

 " shown below the main assembled parts.
- 4. The parts marked with (E) on the exploded view show the electric parts.
- 5. IMPORTANT SAFETY NOTICE Components identified with the mark < ! > have the special characteristics for safety. When replacing any of these components, use only the same type.
- 6. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

<< Abbreviations for part >>

- NAME >

< DESCRIPTIONS >

< NAME >		
C. CAPACITOR C. CAPACITOR E. CAPACITOR G. CAPACITOR M. CAPACITOR P. CAPACITOR S. CAPACITOR T. CAPACITOR TRIMMER	СН	CERAMIC CAPACITOR CERAMIC CHIP CAPACITOR ELECTROLYTIC CAPACITOR GLASS CAPACITOR MICA CAPACITOR PLASTIC FILM CAPACITOR SEMI-CONDUCTOR CAPACITOR TANTALUM CAPACITOR TRIMMER
C. RESISTOR F. RESISTOR M. RESISTOR M. RESISTOR S. RESISTOR V. RESISTOR W. RESISTOR	СН	: CARBON RESISTOR : FUSE RESISTOR : METAL OXSIDE RESISTOR : METAL OXSIDE CHIP RESISTOR : SOLID RESISTOR : VARIABLE RESISTOR : WIRE WOUND RESISTOR
COMBI. TR-R COMBI. R-R COMBI. C-R COMBI. C-R-R		 TRANSISTOR-RESISTOR COMBINATION PARTS RESISTOR-RESISTOR COMBINATION PARTS CAPACITOR-RESISTOR COMBINATION PARTS CAPACITOR-RESISTOR-COIL COMBINATION PARTS
P.C. BOARD W / COMPONENT		: PRINTED CIRCUIT BOARD : WITH COMPONENT

andre de la companya La companya de la co

CONTENTS

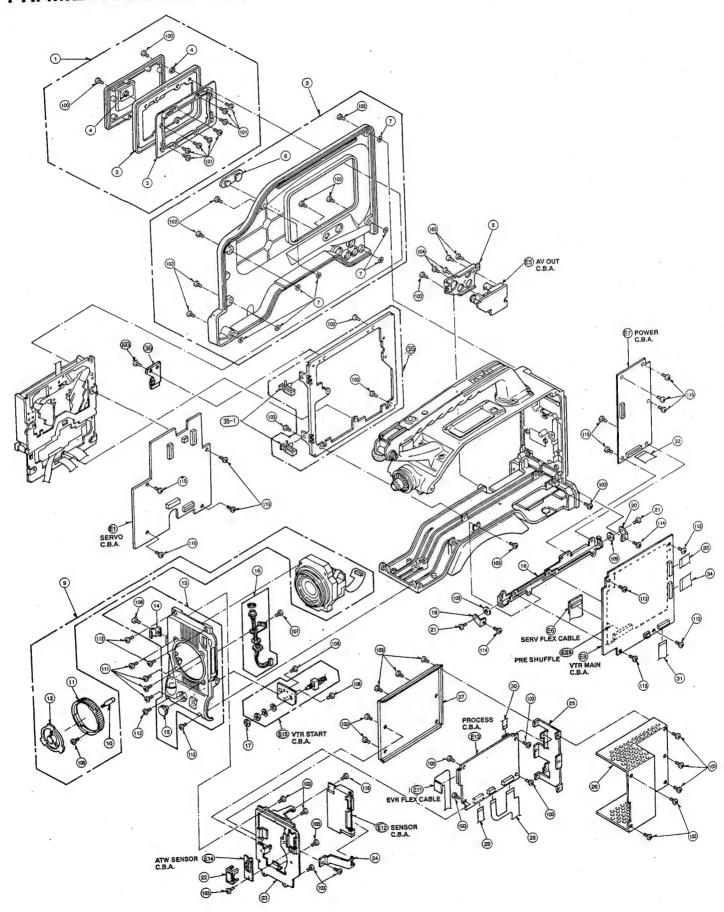
MECHANICAL REPLACEMENT PARTS LIST	PRT-1
FRAME ASSEMBLY(1) ·····	PRT-1
FRAME ASSEMBLY(2)	PRT-2
MECHANICAL CHASSIS ASSEMBLY(1)	PRI-3
MECHANICAL CHASSIS ASSEMBLY(2) ·····	•••••• PRT-4
CASSETTE COMPARTMENT ASSEMBLY ······	PRT-5
EVF ASSEMBLY	
PACKING PARTS ASSEMBLY	PRT-7
FLECTRICAL REPLACEMENT PARTS LIST	PRT-

SERVICING FIXTURES & TOOLS

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	s Remarks
	VFK1145	BACK TENSION METER	-,		30	VFM3680KL	ALIGNMENT TAPE No.1	1	
1	VFK1149	POST DRIVER	-;;		31	VFM3681KL	ALIGNMENT TAPE No2	1	
2	VFK71	DIAL TORQUE GAUGE (150G)	- ;		32	VFM3682KL	ALIGNMENT TAPE No3	1	il —————
3	VFK1191	DIAL TORQUE GAUGE (45G)	-;					1	
5	VFK1152	DIAL TORQUE GAUGE ADAPTOR	-					1	1
	VFK0357	ECCENTRIC SCREWDRIVER	1					+	1
7	VFK1154	POST HEIGHT FIXTURE	1					\vdash	
8	VFK1153	MECH. NEUTRAL PLATE (POST)	1					1	
8	VFK1157	MECH. NEUTRAL PLATE (CASE)	- 1					1	
9	VFK1157	NEUTRAL POSITION TOOL	1					1	
10	VFK1156	NEUTRAL POSITION TOOL	1			 		1	-
11	VFK1208	NEUTRAL POSITION TOOL	1					1	
12	VFK1150	NUT DRIVER (5.5MM)	1					1	1
13	VFK1151	NUT DRIVER (2.2MM)	1						
14	VFK1188	DIAL TENSION GAUGE (308)	1					1	
15	VFK0948	CHECK LIGHT	1		-			Т	
16	VFK0749	FROIRAL GREASE	1					\vdash	
17	MOR265	MORLYTONE GREASE	11						
18	VFK1146	PHILLIPS DRIVER (00-75)	1					1	
19	VFK1147	PHILLIPS DRIVER (0-100)	1					T	
20	VFK1148	HEX. DRIVER (1.5)	1					1	
21	VFK1178	HEX. DRIVER (0.89)	1					✝	
22	VFK1179	HEX. DRIVER (0.71)	1	1					,
23	VFK1190	HEX. WRENCH	1						
24	VFK1209	TORQUE DRIVER 0. 4-3KG)	1						
25	VFK0912	POST AXIS DRIVER (1.5MM)	1					Т	
26	VFK1300	A/D BOARD (DAQ-12 QUATECH	1						
28	VFK1159	LISTA SOFTWARE	1					П	
29	VFK1186	LISTA CABLE	1						
	1								
	1						1	1	†

	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pes	Remarks
1	VYF2397	CASSETTE COVER	1					-	
2	VMG1057	CASSETTE COVER WATERPROOF R	1	20 a a 20 a				Н	
3	VIIIG1037	CASSETTE RUBBER HOLDER	1	27 C 200 C V			4	-	
, \$	VMX2605	WASHER	2					\vdash	
5	VYK8132	SIDE CASE (L)	1					┢	-
6	VMG0953	E-E CAP	1			The second second	The state of the s	-	-
7	VMX1558	NYLON WASHER	7					\vdash	
8	VMP5374	SIDE JACK HOLDER ANGLE	1					 	· · · · · · · · · · · · · · · · · · ·
9	VWP3374 VYQ1438	PRISM U.	1					-	
10	VHD0809	LENS RING KNOB	1						
11	VDW0472	LENS RING	1		-			\vdash	
12	VKF2726	MOUNT CAP	1	PARKET ALL SERVICES AND AREA AND A				-	
13	VYK7628	MOUNT CASE (1) U	1					\vdash	
14	VJF0804	CABLE CLAMPER	1	the state of the s			-1 200 100000000000000000000000000000000		1
15	VGU6714	RUBBER BUSH KNOB	1					-	
16	VEK8181	LENS CABLE	1					-	
17	VMG0646	WATERPROOF SW INSULATION SH	1					\vdash	
18	VXA5958	C. B. A. ANGLE	1					1.7.	
		C. B. A. ROTATE ANGLE (L)	1					-	
19	VMP4273 VMP4274	C. B. A. ROTATE ANGLE (R)	1		J			-	
20 21	VMP4274 VHD0325	SCREW	2	7777					
21	VKW2024	AWT SENSOR WINDOW	1					-	
22	VMP5371	P. C. B. HOLDER ANGLE	1					-	
23	VMP5371 VMP5404	SENSOR P. C. B. HOLDER ANGLE	1						
	VSG4644	SHIELD CASE (1)	1					-	
25 26	VMP5372	C. B. A. SUPPORT ANGLE	1					-	<u> </u>
27	VMP5372 VSC4645	SHIELD CASE (2)	1					 	1
	VSC4845 VJB00Y57	CAMERA FLEXIBLE	_ <u>'</u>					-	
28		FLEXIBLE CABLE	1					-	
30		ATW SENSOR FFC	1					-	
31		FLEXIBLE CABLE	1			l		-	
		FLEXIBLE CABLE	1		<u> </u>	ļ	<u> </u>	\vdash	
32		FLEXIBLE CABLE	1					\vdash	
33		FLEXIBLE CABLE						\vdash	
34 35	VXA5923	SUB PLATE U						\vdash	
		CLAMPER							
35-1	VGQ0107	SUPPORT ANGLE						\vdash	
36	VMP5488	SUPPORT ANGLE				-		\vdash	
								-	
					1			\vdash	the second second
400	Venne 1057	CODE M	2						
100	XSB26+16FZ	SCREW	8				12.		
101	XTB26+6GFZ	SCREW	7					\vdash	
102	XSB3+10FZ	SCREW	-					-	
103	XYN3+C6	SCREW	28					-	
104	XTV3+6G	SCREW	1					-	
105	XQN2+A4FZ	SCREW	-					├-	
106	XSB2+5FZ	SCREW	1					_	
107	XYN26+C6	SCREW	1					<u> </u>	
108	XYN3+K6RS	SCREW	2					-	
109	XWGV4Y12G	WASHER	2					<u> </u>	
110	XYN26+K6	SCREW	4		1				
	XSB3+6FZS							<u> </u>	
111		SCREW	4						
111 112	XSB3+12FZS	SCREW	4						
111 112 113	XSB3+12FZS XTB3+E6FR	SCREW SCREW	3						
111 112 113 114	XSB3+12FZS XTB3+E8FR VHD0325	SCREW SCREW	3 2						·
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113	XSB3+12FZS XTB3+E8FR VHD0325	SCREW SCREW	3 2						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						:
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						
111 112 113 114 115	XSB3+12FZS XTB3+E6FR VHD0325 XYE3+EF6R XYN2+C4	SCREW SCREW SCREW SCREW	4 3 2 5 1						

FRAME ASSEMBLY (1)



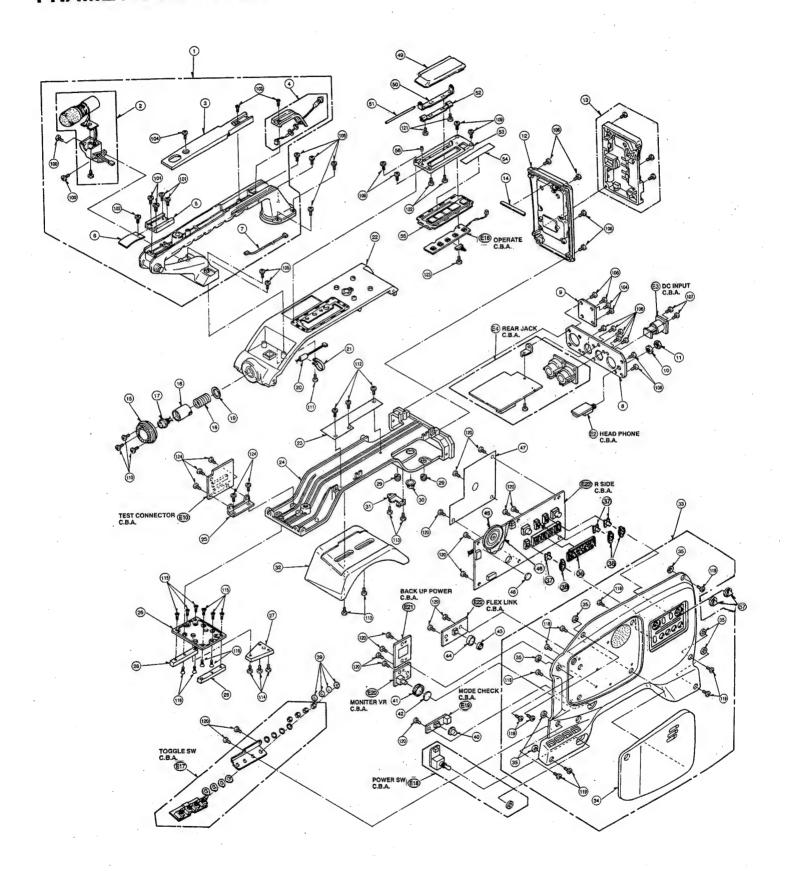
PRT-1

FRAME ASSEMBLY (2)

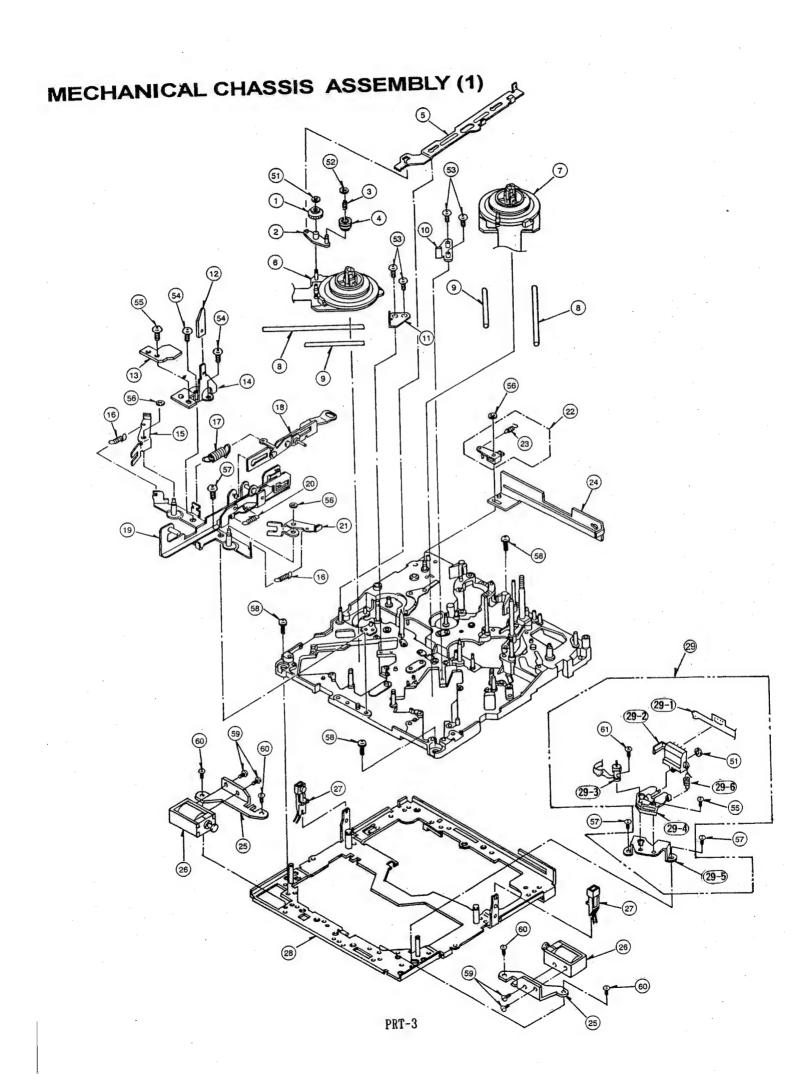
Components identified with the mark \triangle have the special characteristics for safety. When replacing any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	1	Ref. No.	Part No.	Part Name & Description	_	
					-	114	XSB4+6FC	SCREW	3	1 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
l	VYH0259	HANDLE	1		╟	115	XTS26+6J	SCREW	6	
!	VEK6714	MIC U.	1		╙	116	XSS3+8FZS	SCREW	4	
3	VKF2721	HANDLE COVER	1		╟	117	XYN26+C8FZ	SCREW	2	
4	VYF1888	TALLY COVER	1		_	118	XTV3+6G	SCREW	4	
5	V5MA0046A4	CAMERA SHOE	- 1		_	119	XSB3+10FZ	SCREW	7	
6	4G28145	SPRING	1			120	XYN3+K6RS	SCREW	2	
7	VEE0A89	MIC CABLE	1		_	121	XTB26+4FFZ	SCREW	2	
8	VJH0986	JACK PLATE	1		╟	122	XTV26+5F	SCREW	2	
9	VGF0689	BLANK PLATE	1		╙	123	XTN2+5J	SCREW	1	
10	VMX0531	CLATCH SPACER	1		_			<u> </u>	<u> </u>	
11	VHN0194	NUT	1		╟				┡	
12	VGM1058	REAR CASE	1						<u> </u>	
13	VJF1125	BATTERY HOLDER	1		╙				_	
14	VGF0515	BATTERY CABLE HOLDER	1						_	
15	VGQ3454	EVF HOLD BASE	1		_				匚	
16	VGQ3455	EVF CONNECTOR HOLDER	1							
17	VEEOA87	EVF CABLE	1		IL				_	
18	VMB2224	TENSION SPRING	_1							
19	VGF0514	SPACER	1		IL				Ĺ	
20	VLP0186	FERRITE CORE	2		IL				L	
21	VJF0980	CLAMPER	2		IL				L	
22	VGM1057	TOP CASE	_ 1						L	
23	VGQ4441	FLEXIBLE HOLDER	1						Ĺ	
24	VGM1390	BOTTOM CASE	1						Γ	
25	VMP5375	C. B. A. ANGLE	1						Γ	
26	VGM1277	FRONT FOOT BASE	1							
27	VGM1278	FRONT V EDGE	1							
28	VKA0299	FRONT FOOK	2						Γ	
29	VMG0954	REAR FOOT	2		1				Π	
30	VMG0643	BRAKER CAP	1						T	
31	VMP4896	BACK LOCK ANGLE	1		1				Т	
32	VMT0768	SHOLDER PAD	1		1				1	
33	VYP6654	SIDE CASE (R) 1U	1		1	-			1	
	VNT0826	FACE PAD	1						-	
34	-	NYLON WASHER	7		H				1	
35	VMX1558	OPERATION BUTTON HOLDER	1		╂				-	
36	VGQ3415	SLIDE KNOB (A)	3		11-				-	
37	VGU6028		3		lŀ		 		-	
38	VMG0947	SLIDE KNOB RUBBER	-		II				\vdash	
39	VMG0646	WATERPROOF SW INSULATION SH	-		H				\vdash	
40	VGU4906	MODE CHECK BUTTTON	-		H				╁	-
41	VGU5694	VR KNOB	1		۱H				\vdash	<u> </u>
42	VGH3360	VR KNOB CAP A	1		H				\vdash	
43	VGU6511	PUSH BUTTON	<u> </u>		l⊢				\vdash	
44	VGQ3417	PUSH BUTTON HOLDER A	1		II				-	
45	EAS2P104N	SPEAKER	1		ł⊢				\vdash	
46	VEEOA98	SPEAKER CABLE	1		IL				-	
47	VSC4659	OPERATION SHIELD PLATE	1		H				├-	
48	VMT0539	CUSHION	1		IL				-	
49	VKW1642	KEY BOARD DOOR	1		11				-	
50	VMP3736	DOOR ANGLE	1		IL		ļ		-	
51	VMS4947	OPERATION SHAFT	1		11				-	
52	VMC0883	OPERATION PLATE SPRING	1		11				-	
53	VGK2058	KEY OPERATION PANEL	1		11				-	
54	VGH3019	KEY BOARD LABEL	1		IL				-	
55	VGU6577	KEY BOARD BUTTON	1		IL				-	
58	VMG0657	CUSH I ON RUBBER	1						_	
57	VGU6512	VR KNOB	2		11			, , , .		
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			L		IL				L	
100	XSB3+8FZS	SCREW	2		IL				L	
101	XSN2+6FZ	SCREW	4		IL					
102	XSN26+4FC	SCREW	1						L	
103	XSS3+6FZS	SCREW	2						Ĺ	
104	XSB3+6FZ	SCREW	3						Ĺ	
105	XSB4+16FZS	SCREW	2							
108	XSB3+8FZ	SCREW	4						Г	
	XSN26+6FC	SCREW	2			·	†		Г	
107		SCREW	5						 	
108	XSN26+6FZ		4		IH		 		-	
109	XSB2+6FZ	SCREW	4		Il					
110	XYN26+K16FZ	SCREW	-		\Vdash			- : : : : : : : : : : : : : : : : : : :	\vdash	
111	XYN3+F10	SCREW	1				<u> </u>		\vdash	
112	XSB3+4	SCREW	3		ΙH				-	
113	XYN3+F8	SCREW	2		\Vdash		 		-	-
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FRAME ASSEMBLY (2)



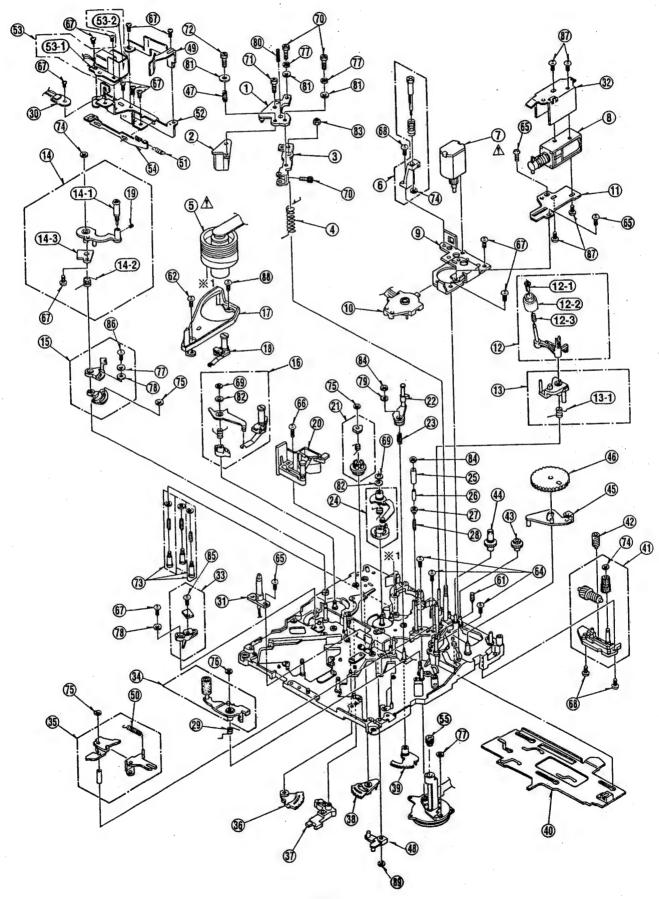
Ref. No.	Part No.	Part Name & Description P	cs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
61.140.	Tax t No.	. Com U Trouble of Decorations							
	VDG1189	IDLER GEAR A	1						
	VXL2614	IDLER ARM	1						
	VMB3011	IDLER SPRING	1						
	VXP1700	IDLER GEAR B	1						
	VMM0422	E-E ROD	1						
	VEMO633	S REEL MOTOR	1						
	VEM0634	T REEL MOTOR	1						
	VMS5923	REEL OUTER RAIL	2						
	VMS5924	REEL INNER RAIL	2					Ш	
)	VMA9727	RAIL TABLE STOPPER (T)	1					Ш	
1	VMA9726	RAIL TABLE STOPPER (S)	1						
2	VMD2588	BRAKE RELEASE	1					Ш	
3	VEK7694	CASSETTE DOWN PHOTO U.	1						
4	VMA9729	L CASSETTE LOCK RELEASE BAS				· · ·		_	
5	VXL2755	S BREAKE ARM	1		ļ		ļ		
6	VM23137	S BRAKE SPRING L	2					Н	
7	VMB3139	SLIDE ROD SPRING	1						
8	VXL2754	SLIDE ROD	1			-			
9	VXA5892	BREAKE BASE	1						
0	VMB2779	LOCK SPRING	1	<u> </u>					
1	VXL2756	T BREAKE ARM	1				-	-	
2	VXL2615	CONNECTION ARM B U.	1		 			-	
3	VMB2973	ARM RELEASE SPRING	1		l 			\vdash	
.4	VXL2653	CONNECTION ARM C U.	1				-		
.5	VMA9387	SOLENOID BASE	2		-		-		
16	VSJ0216	BRAKE SOLENOID	2					\vdash	-
.7	VEK7692	SENSOR HOLDER U.	1	····	 				1 1/11
8	VXK1331	SUB CHASSIS	1						
9	VXA5889	MIC BASE U	1						1
9-1	VWJ1074	MIC FPG	1				-		
29-2	VSS0509	MIC CONNECTOR	1		l — —				
9-3	V\$\$0510	REC INHIBIT SWITCH M SWITCH BASE (1) U	1					\vdash	
9-4	VXA5633	L-SWITCH BASE	1						
9-5	VMA9724 VMB2958	SPRING	1						
9-6	VMB2938	SFR 1 HG							, ,
		1			1				
	-								
E1	VMX1061	WASHER	2						
51 52	VMX2391	CUT WASHER	1						
53	XYN2+J5	SCREW	4						
54	XQN2+CF4	SCREW	2						
55	XQN2+A3	SCREW	2						
56	VMX0967	CUT WASHER	3						
57	XQN2+CF3	SCREW	3						
58	XTV3+6F	SCREW	3						
59	XQN2+A2	SCREW	4						
60	XYN2+K4	SCREW	4						
61	XQN2+GJ5	SCREW	1						
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MECHANICAL CHASSIS ASSEMBLY (2) Components identified with the mark \triangle have the special characteristics for safety. We any of these components, use only the same type.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	PC	s Remarks
					70	XVE2B4FZ	HEX SCREW		The state of the s
1	VXA5554	A/C HEAD BASE (1) U	1		71	XVE2B6FP	HEX SCREW	1	1
2	VBR0301	A/C HEAD	1		72	XVE2B12FP	HEX SCREW	Γ	1
3	VXA5555	A/C HEAD BASE (2) U	1		73	VXQ0439	SCREW		3
4	VMB2935	A/C HEAD HIGHT SPRING	1	*****	74	VMX0967 ·	CUT WASHER	1 2	
			 	· · · · · · · · · · · · · · · · · · ·				-	
5	VEG1408	CYL INDER UNIT	-		75	VMX1061	WASHER	3	3
6	VXA5715	EMARGENCY SHIFT HOLDER U	1	i	76	VMX1079	CUT WASHER	1	1
7	VEM0645	LOADING MOTOR (1) AU	1		77	XWA2B	WASHER	4	4
8	VSJ0217	PINCH SOLENOID	1		78	XWE2	WASHER	T	1
9	VXA5584	MOTOR ANGLE U.	1		79	XWE16VW	WASHER	1	1
		MODE SW U	1	1.1. · · · · · · · · · · · · · · · · · ·	80	XXE2A6FP	HEX SCREW	1	-
10	VES0814		<u> </u>	estern en	-	1		-	<u> </u>
11	VMA9376	PINCH SOLENOID BASE	1		81	XWG2	WASHER	1	
12	VXL2748	CLEANING ARM AU	1		82	XWGV15Z32G	WASHER	2	2
12-1	VMX2150	CLEANER ROLLER HOLDER	1		83	VHD0045	NYLON NUT	1	1
12-2	VXP1808	CLEANER ROLLER UNIT	1		84	VHN0312	NUT	2	2
12-3	VMB3114	CLEANER ROLLER SPRING	1		85	XQN2+AQ3. 5FZ	SCREW	1	
			1		1	XQN2+AJ5	SCREW		
13	VXL2707	T2 ARM U.	-		86			+-'	1
13-1	VMB2932	T2 ARM SPRING	1		87	XQN2+A15	SCREW	1	4
14	VXL2734	TENSION ARM AU.	1		88	XQN2+A4	SCREW	1	1
14-1	VXP1761	TENSION ROLLER	1		89	VMX1394	CUT WASHER	1	1
14-2	VMB2931	TENSION LEG SPRING	1		*	VXY1287	MECHANISM	1.1	1
14-3	VXA5853	MAGNET HOLDER U	,					1	****
		TENSION LEG SPRING HOOK U	<u>'</u>				<u> </u>	+-	-
15	VXA5791		+ '		-	-	 	+	
16	VXL2709	S1 LOADING ARM U	1		L		·	1	
17	VMD2533	LOADING RAIL	1					L	
18	VXA5852	T1 BOAT U	1					1	
19	VHD0561	HEX SCREW	1					1	1
	VXA6052	S POST BASE AU.	1				<u> </u>	+-	
20			 		—	1	***	+	
21	VXP1683	T4 CONNECTION GEAR U.	1			-		+	
22	VXL2772	T4 ARM U	1			1		1	
23	VMB2950	T4 THRUST SPRING	_1					1	
24	VXL2802	T LOADING ARM NU	-1				:	1	
25	VMS5908	T3 UPPER FRANGE	1					Г	
26	VMS5905	T3 SLEEVE	1			İ		+	
			-			 		╁╴	1
27	VMS5904	T3 LOWER FRANGE	-					₩	
28	VMB2929	T3 SPRING	_1					╀-	
29	VMB2933	PINCH RELEASE SPRING	1					_	
30	VEK7927	INSULLATION SENSOR	1		1				
31	VEK7691	LED HOLDER U.	1						
32	VMA9411	PINCH SOLENOID ANGLE	1						
33	VXA5820	TENSION SENSOR U.	1	T				1	
			1			-		\vdash	
34	VXL2684	PINCH ARM U.	<u> </u>	day was managed and the same of the same o				╀	
35	VXL2588	PINCH GUIDE ARM U	1					\perp	
36	VXA5570	T SECTOR GEAR U	1					L	
37	VXL2582	TENSION LEG. GUIDE ARM U	1						
38	VXA5567	S SECTOR GEAR U	- 1					\Box	
	VXA5564	T4 SECTOR GEAR U	1					\vdash	
39								┼	
40	VXA5563	MAIN ROD U	1					┼	
41	VXA5627	THRUST SHIFT HOLDER U.	1					₩	ļ
42	VDG1168	MOTOR WARM GEAR	1		L			L	
43	VDG1268	MOTOR EMARGENCY GEAR A(A)	1					Γ	
44	VDG1267	MOTOR EMARGENCY GEAR B(A)	1					Г	T
		MAIN CAM ARM U	+	-,				<u> </u>	†
45	VXL2591							+	
46	VDG1168	MAIN CAN GEAR	1					+-	
47	VMB2937	A/C HEAD ADJUST SPRING	1			ļ		ـــ	
48	VXL2600	EJECT ARM U	1					L	
49	VXA5770	T1 GUIDE U.	1					1	
50	VMB2934	SPRING	1		1				
51	VMB3051	CLEANER RETURN SPRING	1						
					1	 	7	-	-
52	VXA5768	CLEANER BASE 1 U.	1		<u></u>	 	<u> </u>	-	
53	VXA5769	CLEANER SOLENOID U.	1		ļ			1	<u> </u>
53-1	VSJ0222	CLEANER SOLENOID	1	, , , , , , , , , , , , , , , , , , ,				_	
53-2	VMA9521	CLEANER SOLENOID BASE	1					L	
54	VMM0415	CLEANER INSULATTION	1						
	1		-			, <u></u>		\Box	
	 	-				 		<u> </u>	
	L	<u> </u>	<u>'</u>			<u> </u>		-	
					-1			—	
61	VHD0356	SCREW	1						
62	XQN2+A3	SCREW	1						
64	XQN2+A35FZ	SCREW	3						
			3					\vdash	
65	XQN2+AM2	SCREW				ļ		\vdash	:
66	XQN2+AM4	SCREW	. 1					<u></u>	
67	XQN2+CF3	SCREW	12	. 57.5				L	<u></u>
68	XQN2+CF4	SCREW	1						
		E-RING	2						
			- 6						
69	XUC12FP		7	:				-	

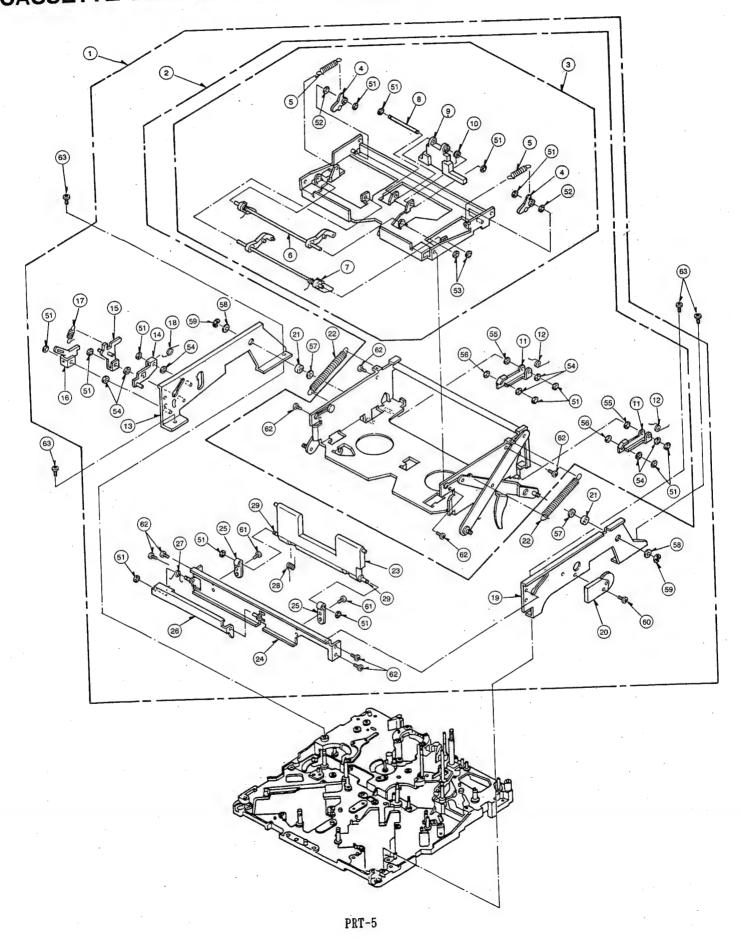
MECHANICAL CHASSIS ASSEMBLY (2)



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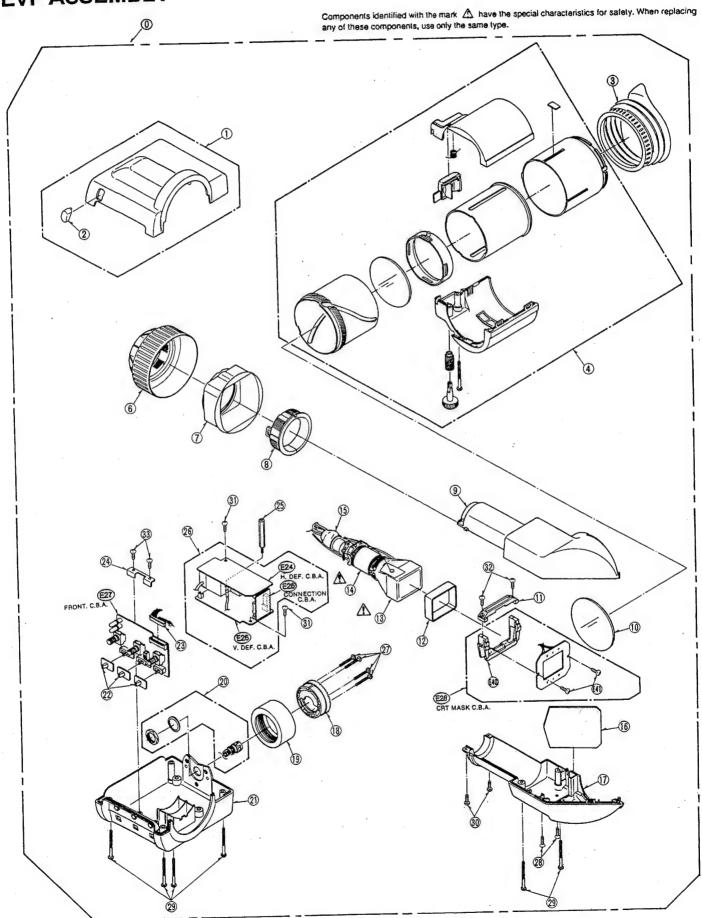
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5900	CASSETTE UP U.	1		and the state of t	,			
2	VXA5901	HOLDER	1						
3	VXA5904	TOP PLATE	1						
4	VXL2696	PRESSURE LEVER	2						
5	VMB3063	PRESSURE LEVER SPRING	2						
6	VXA5896	PROTECTOR SHAFT (2) L	. 1						
7	VXA5897	PROTECTOR SHAFT (2) R	1						
8	VMS6198	PROTECTOR SHAFT	1						
9	VMD2789	PROTECTOR SHAFT (1)	1					\vdash	
10	VMB3135 VML3259	SHAFT RELESE SPRING RELEASE LEVER	2						
12	VME3239	LOCK RELEASE LEVER SPRING	2					_	
13	VXA5922	SIDE PLATE (L)	1						
14	VXL2740	RATCHET ARM	1						
15	VXL2765	RATCHET LOCK LEVER	1						
16	VXL2786	RATCHET LEVER	1						
17	VMB2981	RATCHET SPRING	1						
18	VMB3146	LOCK LEVER SPRING	1						
19	VMA9719	SIDE PLATE (R)	1					L	
20	VDG0387	DUMPER	1					L	
21	VDP0967	MAIN ARM ROLLER	2					_	
22	VM83133	UP SPRING	2					<u> </u>	
23	VXA5925	PROTECTOR PLATE	1			<u> </u>		_	
24	VXA5898	BACK PLATE	1					_	
25	VMD2793	SHAFT	2					\vdash	
26	VML3267	RATCHET TIMING LEVER	1					<u> </u>	
27	VMB2982	SPRING	1					-	
28	VMB3134	PLATE RELEASE SPRING	1					\vdash	
29	VMS6211	PROTECTOR PLATE SHAFT	1					-	
			\vdash		l			\vdash	
								-	
	1.0000	OUT WACUED	14		l			-	
51	VMX0987	CUT WASHER WASHER	2					-	
52	XWGV2D5G VNX1079	CUT WASHER	2					-	
53	XWGV2Y5G	WASHER	7		l			-	
54 55	XWGV275G	WASHER	2					<u> </u>	
56	XWGV2F5G	WASHER	2					-	
57	XWGV4Y6G	WASHER	2			-			
58	XWGV3Y6G	WASHER	2						
59	XUC2FP	E-RING	2						
60	XYN2+C8	SCREW	1					L	
61	XQN2+A4	SCREW	2					<u> </u>	
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CASSETTE COMPARTMENT ASSEMBLY

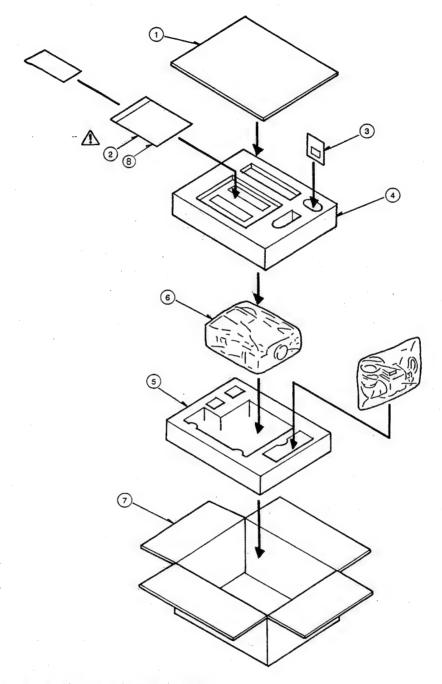


Ref. No.	1 04 0 1104	Part Name & Description	۳	Remarks		Part No.	Part Name & Description		Remarks
,	VEQ1579	EVF UNIT	1	(RTL)					
	VYK6467	EVF MAIN CASE UPPER U.	1				, , , , , , , , , , , , , , , , , , , ,		
	VGP3621	TALLY LAMP COVER	1			-			
	VMG0799	RUBBER CAP	1						
	VYC0608	EYE PIECE U.	1						
	VGP3619	LOCK RING (OUT)	1	and the company of the contract of the contrac					
	VMX2305	LOCK RING SPACER	1						
	VGP3620	LOCK RING (IN)	1		1 (1)	-			
	VGP3617	CRT CASE UPPER	1						
	VDL0418	PROTECT COVER	1						
	VJF0899	CRT HOLDER (2)	1						
	VMX1899	CRT SPACER	1				· · · · · · · · · · · · · · · · · · ·		
	MO4KYSO7WB	CRT	1					-	
	ELY15V114G	DEFLECTION YOKE	1					_	
15	VEK7034	CRT SOCKET U.	1						·
16	VDL0417	MIRROR	1						
17	VGP3618	CRT CASE BOTTOM	1						
	VGQ3433	EVF GEAR	1		1				
	VMP3385	EVF FIX. RING	1				· · · · · · · · · · · · · · · · · · ·		
19	VEK7037	EVF CONNECTION U.	1					Т	
21	VGM1143	EVF MAIN CASE LOWER U.	1					Т	
21	VGW1143	SLIDE KNOB	3					Т	
23	VEE8849	FRONT CABLE	1			· · · · · · · · · · · · · · · · · · ·		Г	
23	VMP4283	C. B. A. HOLDER	1					<u> </u>	
	VMP4283 VMX2308	SPACER	'						
25	TRACOUS	OI NOEM	Η,					\vdash	
			-					\vdash	
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	VV010 : 04 c	CODEM	-				7.31	\vdash	
27	XYN3+C14FZ	SCREW	2					\vdash	
28	XTS2+6GFZ	SCREW	-			· · · · · · · · · · · · · · · · · · ·		H	
29	XTN3+25GFZ	SCREW	6					├	
30	XTN2+6G	SCREW	2					-	
31	XYN26+K6FR	SCREW	2			ļ		-	
32	XTN2+10G	SCREW	2		 			-	
33	XTN3+6G	SCREW	2				-	-	
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EVF ASSEMBLY



PACKING PARTS ASSEMBLY



PACKING PARTS ASSEMBLY

Ref. No.	Part No.	Part Name & Description	cs	Remarks	Ref. No.	Part No.	Part	Name	& Description	Pcs	Remarks
1	VPN3922	TOP PAD	1								
2	VQT7073	OPERATING INSTRUCTIONS	.1								
3	VEJ1672	BATTERY ADAPTOR U	1								
4	VPN4613	CUSHION (UPPER)	1								
5	VPN4614	CUSHION (LOWER)	1								
6	VPF0884	POLYETHYLENE BAG	1							Ш	
7	VPG8917	PACKING CASE	1							Ш	
8	VXF0151	EMERGENCY EJECT U.	1								
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pes	Remarks
<b>■</b> E1		SERVO P. C. BOARD		(RTL)					
	VEPOOW08B	HEAD PHONE P. C. BOARD	1	(RTL)					
		DC INPUT P. C. BOARD	1	(RTL)				_	
		REAR JACK P. C. BOARD	1	(RTL)					
		AV OUT P. C. BOARD		(RTL)					
<b>₩</b> E6	VEPOOY56A	SERVO FLEXIBLE P. C. BOARD		(RTL)					
<b>■</b> E7	VEP81179A	POWER P. C. BOARD	1	(RTL)	<b> </b>				
■ E8 ■ E9	VEP83356B VEP84307A	VTR MAIN P. C. BOARD AGC SUB P. C. BOARD	1	(RTL) INCLUDING E9 (RTL) INCLUDED E9				_	
■ E10	VEP86258A	TEST PLUG P. C. BOARD		(RTL)					
		EVR FLEXIBLE		(RTL)					
■ E11									
■ E12	VEP22251A	SENSOR P. C. BOARD		(RTL)					
■ E13	VEP23422A	PROCESS P. C. BOARD	1	(RTL)					
<b>■</b> E14	VEP80A32A	ATW SENSOR P. C. BOARD	1	(RTL)				-	
<b>■</b> E15	VEPOOU25B	VTR START P. C. BOARD	1	(RTL)					
■ E16	VEP86143B	OPERATE P. C. BOARD	1	(RTL)					
₩ E17	VEP80A15A	TOGGLE SW P. C. BOARD	1	(RTL)					
<b>■</b> E18	VEP80A16A	POWER SW P. C. BOARD	1	(RTL)					
■ E19	VEP80A17A	MODE CHECK P. C. BOARD	1	(RTL)					
■ E20	VEP80A18A	MONITOR VR P. C. BOARD	1	(RTL)				_	
■ E21	VEP80A19A	BACK UP P. C. BOARD	1	(RTL)					
■ E22	VEP80A21A	FLEX FING P. C. BOARD	1	(RTL)					
				(RTL)					
■ E23	VEP86264A	R SIDE P. C. BOARD							
■ E24	VEP27086A	H-DEF P. C. BOARD	1	(RTL)					
<b>■</b> E25	VEP27087A	V-DEF P. C. BAORD	_1	(RTL)					
■ E26	VEP27088A	CN P. C. BOARD	1	(RTL)				_	
■ E27	VEP27089A	EVF FRONT P. C. BOARD	1	(RTL)					
■ E28	VEP27090C	EVF CRT P. C. BOARD	1	(RTL)					
■ E29	VEP83357A	PRE SHUFFLE P. C. BOARD	1	(RTL)					
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Bell   No.   Part No.   Part No.   Part No.   Report   Colored	EP82212	D		-				T	_	AU-DZUUHE
	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks				7	
CONTINUE		E0000107	ordiva B a poses		(PTI)				+	
COLOR   COLO	■ E1	VEP82212B	SERVO P. C. BUARD	-1	(RTL)				-	
Company   Comp									Н	4
CONTENT   CONT	C100, 01	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	2			1		T	1
Color   Colo		ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U	1		0351	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U		1
CED     CED     CED     CED     CED     CED     CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED   CED	C107	ECUM1C105KBM		1		0353, 54			+-	
Description									+-	
BESTITION   DEPARTMENT OF SET 100   1				_					+	
Description				1					+	
Column   C				1				The second secon	-	
Column	C116	VCE0180	CAPACI TOR	1		C418	ECEV1HV3R3Q	E. CAPACITOR CH 50V 3. 3U	Ι	1
Column   C	C119-21	ECEV1CV100Q		-					L	1
Column				1					+	1
Color				1			27 1 1 1 1 1 1 1		+	1
CHAPTI CONTINUENCE   CAMPACITOR OF SOY 0.0 U   1				1					+	1
Column   C				1					t	1
Graph   Comparison   Comparis			C. CAPACITOR CH 50V 100P	1		C435	ECEV1CV1000	E. CAPACITOR CH 16V 10U		1
CITICAL   CAMPACITICS CHILD ACTUAL CHILD A	C129	ECUX1H182KBV	C. CAPACITOR CH 50V 1800P	1		C504	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	L	1
CITED   CONTINUES OF CAPACITING HIS AND STATE OF 1997 CO. 10   1   1   1   1   1   1   1   1   1				1			-		1	1
CORT   CONTINUES MAY   CAPACITICS (IS SO 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.				1					+	4
C1319   SEXPENDEZQUE   C. CARPACTERO (H. 197 V 2				1					+	1
CORPORTING CORPORATION CORPO									+	1
CF44    CRUMINICATION   CAMPACITION OF 167   1   2   2   3   1   1   1   1   1   1   1   1   1							-		†	1
C144-98   CEMPANTSON   CLAMPATTOR CRIST 97   SOUTH 10				_		-				2
CAST   COUNTY   COUNTY   C. CAPACITOR (15 50V 1000P   1   C700				1		0702	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	L	1
CODD-04   VEDT 100   CAPACITITIST CIRC (R. 97   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 97   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 97   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CODD-04   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CECNIVIPOZO   E. CAPACITIST CIRC (R. 98   280   1)   CECNIVIPOZO   E. CAPACITIST CIRC (R. 98   280   1)   CECNIVIPOZO   E. CAPACITIST CIRC (R. 98   280   1)   CECNIVIPOZOD   E. CAPACITIST CIRC (R. 98   280   1)   CECNIVIPOZO   E. CAPACITIST CIRC (R. 98   1)   CECNIVIPOZO   E. CAPACITIST CIRC (R. 98   1)   CECNIVIPOZO   C. CAPACITIST CIRC (R. 98   1)   C. CAPACITIST CIRC (R. 98   1)   C. CAPACITIST	C144~46	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	_	· .		-		┰	
CORD-1-0    SECTIVE PROPERTY   C. CAPACITOR OF 19 / 22   1   0   0   0   0   0   0   0   0   0				_					+	
CORD-10				_					+	
COUNTE   COUNTE   COMPANT FOR PER 25V   0, 19   1				_					+	
C212, 13		-		-					+-	
CRIT-0-0   CRIXI-HORREY   C. CAPACITOR OF SOV 0.010   0   0   0   0   0   0   0   0   0				2		C809		E. CAPACITOR CH6. 3V 33U		1
C221 2 COMMINISSISSIN C. CAPACITOR CH 50V 0. 053U 2 C C223 ECEVITIVAZIZO E. CAPACITOR CH 50V 2. 2U 1 C C224 ECUNITION CH 50V 0. 053U 0. 05	C217	ECEVOJV220Q	E. CAPACITOR CH6. 3V 22U	1		C810, 11	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U		2.
C223   CEVITIVER2Q	C218-20	ECUX1H103KBV					<u> </u>		+-	
COUNTE   GARRIN   C. GAPACITOR RH 25V   O. 10   1   1   1   1   1   1   1   1   1									+-	
C229-30   EQUIX ET OMERN   C. GAPAGITOR RH 28V   O. 10   3   D100E   1   D101   O. GAPAGITOR RH 28V   O. 10   3   D100E   1   D101   O. GAPAGITOR RH 28V   O. 10   3   D100E   1   D101   O. GAPAGITOR RH 28V   O. 10   O. GAPAGITOR RH 28V   O. G							1		+-	
C234-38				3		Çadu	EGOVILLOODOA	O. OAFAOTTOK GIT 300 TOF	+	
C240   EQUXIH3328E9   C. CAPAGITOR CH 507 3300P   1						D100	MA142K	DIODE	t	1
Color   Col			C. CAPACITOR CH 50V 3300P	1		D101, 02	MA143	DIODE	:	2
Deck   Color	C241	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1			-		-	
C246   EQUITITIONERS   C. CAPACITOR CH 18V   U   1   1   D203   MA736   D10DE   1   1   D204   MA728   D10DE   1   D204   MA728   D10DE   1   D204   MA728   D10DE   1   D204   MA728   D10DE   1   D206   MA736   D10DE   1   D206   MA736   D10DE   1   D206   MA736   D10DE   1   D206   MA736   D10DE   D301   MA728   D10DE   D302   MA736   D10DE   D303   MA728   D10DE   D303   MA728   D10DE   D303   MA728   D10DE   D303   MA728   D10DE   D303   MA736   D10DE   D304   MA736   D10DE   D304   MA736   D10DE   D305   MA736   D10D				_1					+	
C245				1					+-	
C246-48   ECEVOLV33300   E. CAPACITOR CHG. 3V 33U 1   D205   MA736   D10DE   1									-	
C250   ECEVOLV3300   E. GAPACITOR CH 16V   10   1   1   1   1   1   1   1   1							-		1	1
C251   ECUNICIOSKBM   C. CAPACITOR CH 16V   1U   1   1   1   1   1   1   1   1									1	2
C252   ECUXIHIOTICV   C. CAPACITOR CH SOV   100P   1     D302   MA738   D10DE   1   D303   MA728   D10DE   1   D303   MA728   D10DE   1   D303   MA728   D10DE   1   D304   MA736   D10DE   1   D401   MA736   D10DE   1   D401   MA736   D10DE   1   D401   MA736   D10DE   1   D401   MA736   D10DE   1   D402-05   MA143   D10DE   4   D402-05   MA143   D10DE   4   D402-05   MA143   D10DE   1   D502-04   MA142MA   D10DE   3   D502-04   MA142MA   D10DE   3   D502-04   MA142MA   D10DE   3   D502-04   MA142MA   D10DE   1   D702   MA736   D10DE   1   D703   MA736   D10DE   1   D704   MA3059-L D10DE   1						D301	MA728			1
D304		ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1				0.002	E	1
C255   ECUMICIOSKSM   C. CAPACITOR CH 16V   1U   1   1   1   1   1   1   1   1				_					╌	
C256 ECUX1H471JCV C. CAPACITOR CH 50V 470P 1  C304, 05 VCE0180 CAPACITOR 2  C307, 08 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 2  C309 ECUX1H03KBV C. CAPACITOR CH 25V 0. 1U 1  C310 VCC0037F432 C. CAPACITOR CH 50V 0. 01U 1  C311 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1  C312 ECUX1E1C4KBN C. CAPACITOR CH 50V 0. 01U 1  C312 ECUX1E1C4KBN C. CAPACITOR CH 50V 0. 01U 1  C314 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1  C315 ECUX1E1C4KBN C. CAPACITOR CH 50V 0. 01U 1  C316 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1  C317 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 1  C318 ECUX1E1C4KBN C. CAPACITOR CH 50V 0. 033U 1  C321 ECUX1E1C4KBN C. CAPACITOR CH 16V 1U 1  C322 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 2  C324 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 2  C325 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 2  C326 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 2  C327-29 ECUX1E1C4KBN C. CAPACITOR CH 25V 0. 1U 2  C326 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 2  C327-29 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C328 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 2  C329 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C320 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C321 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C322 ECUX1C1C5KCN C. CAPACITOR CH 25V 0. 1U 1  C323 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C326 ECUX1E1C4KCN C. CAPACITOR CH 25V 0. 1U 1  C327-29 ECUX1H03KBV C. CAPACITOR CH 25V 0. 1U 1  C328 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C329 ECUX1H03KBV C. CAPACITOR CH 25V 0. 1U 1  C331 ECUX1H33KSN C. CAPACITOR CH 25V 0. 1U 1  C332 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C333 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C334 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C335 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C336 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C337 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C338 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C330 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C331 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C332 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C333 ECUX1C1C5KBN C. CAPACITOR CH 25V 0. 1U 1  C333 ECUX1C1C5KBN C. CAPACITO				_					+-	
C304, 05   V0E0180   CAPACITOR   2   D406   MA736   D10DE   1									-	
C307, 08   ECUXIETO4KEN   C. CAPACITOR CH 25V   O. 1U   2   D502-04   MA142MA   D10DE   3				-					+	
C309   ECUX1H103KBV   C. CAPACITOR CH 50V   O. 01U   1   D505   MA142WK   D10DE   1   D701   MA143   D10DE   1   D701   MA143   D10DE   1   D702   MA3082M   D10DE   1   D703   MA738   D10DE   1   D703   MA738   D10DE   1   D704   MA3056-L   D10DE   D705   MA3056-L   D705   MA3056-L   D10DE   D705   MA3056-L   D10DE   D705   MA3056-L   D10DE   D705   MA3056-L   D705   MA3056-L   D10DE   D705   D705   MA3056-L   D705   MA3056-L   D705   D705   MA3056-L   D705							-		+	
C310   C0000071000007   C00000710000000000000000000000000000000				1		D505	MA142WK	DIODE	-	
C316   C317   C318		VCC0037F432	C. CAPACITOR 432P	1					-	
C318, 19 VCEO18O CAPACITOR 2  C318, 19 VCEO18O CAPACITOR 2  C321 ECUMINASSARD C, CAPACITOR CH 50V 0, 033U 1  C322 ECUMICIOSKBM C, CAPACITOR CH 16V 1U 1  C323 ECEVIEVAR7Q E, CAPACITOR CH 25V 4, 7U 1  C324, 25 ECUX1E104KBN C, CAPACITOR CH 25V 0, 1U 2  C326 ECUMICIOSKBM C, CAPACITOR CH 16V 1U 1  C327-29 ECUX1H103KBV C, CAPACITOR CH 50V 0, 01U 3  C327-29 ECUX1H103KBV C, CAPACITOR CH 25V 0, 1U 1  C330 ECUX1E104KBN C, CAPACITOR CH 25V 0, 1U 1  C331 ECUMICIOSKBM C, CAPACITOR CH 25V 0, 1U 1  C332 ECUX1E104KBN C, CAPACITOR CH 25V 0, 1U 1  C333 ECUX1E104KBN C, CAPACITOR CH 25V 0, 1U 1  C330 ECUX1E104KBN C, CAPACITOR CH 25V 0, 1U 1  C331 ECUMINISSARDN C, CAPACITOR CH 50V 0, 033U 1  C332 ECUMICIOSKBM C, CAPACITOR CH 16V 1U 1  C333 ECUX1E104KBN C, CAPACITOR CH 50V 0, 033U 1  C332 ECUMICIOSKBM C, CAPACITOR CH 16V 1U 1  C333 ECUX1E105KBM C, CAPACITOR CH 16V 1U 1  D831, 32 NSQ03A04 DIODE 1  C333 ECUX1E105KBM C, CAPACITOR CH 25V 4, 7U 1  D833 MA142WK DIODE 1	C311			1					+	<del></del>
C321   EGUMIHA33KBN C, CAPACITOR CH 50V 0, 033U 1   D801-03   MA142WK   D10DE   3				1			-		₩	
C322 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C323 ECUXIEIO4KBN C. CAPACITOR CH 25V 4. 7U 1  C324 ECUXIEIO4KBN C. CAPACITOR CH 25V 0. 1U 2  C326 ECUMICIOSKBM C. CAPACITOR CH 25V 0. 1U 1  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 0U 3  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 25V 0. 1U 1  C330 ECUXIEIO4KBN C. CAPACITOR CH 25V 0. 1U 1  C331 ECUMINISSBN C. CAPACITOR CH 50V 0. 03U 1  C332 ECUMICIOSKBM C. CAPACITOR CH 50V 0. 03U 1  C333 ECUXIEIO4KBN C. CAPACITOR CH 50V 0. 03U 1  C334 ECUMICIOSKBM C. CAPACITOR CH 50V 0. 033U 1  C335 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C336 ECUXIEIO4KBN C. CAPACITOR CH 50V 0. 033U 1  C337 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C338 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C339 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C330 ECUXIEIO4KBN C. CAPACITOR CH 16V 1U 1  C331 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C332 ECUMICIOSKBM C. CAPACITOR CH 25V 4. 7U 1  C333 MA142WK DIODE 1				_					-	
C322 ECEVIEVAR7Q E CAPACITOR CH 25V 4. 7U 1  C324, 25 ECUXIEIO4KBN C. CAPACITOR CH 25V 0. 1U 2  C326 ECUNICIOSKBM C. CAPACITOR CH 16V 1U 1  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 0U 3  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 1U 1  C330 ECUXIEIO4KBN C. CAPACITOR CH 25V 0. 1U 1  C331 ECUMIN33KBN C. CAPACITOR CH 50V 0. 033U 1  C332 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C332 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C333 ECUXIEIO4KBN C. CAPACITOR CH 50V 0. 033U 1  C334 ECUXIEIO4KBN C. CAPACITOR CH 16V 1U 1  C335 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C336 ECUXIEIO4KBN C. CAPACITOR CH 16V 1U 1  C337 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1  C338 ECEVIEVAR7Q E CAPACITOR CH 25V 4. 7U 1  D830 MA8051-H  D831, 32 NSQ03A04 DIODE 1				$\rightarrow$					+	
C324, 25 ECUXIEIO4KBN C. CAPACITOR CH 25V 0. 1U 2 D813 21DQ04 DIODE 1  C326 ECUMICIO5KBM C. CAPACITOR CH 16V 1U 1  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 3  C327-29 ECUXIHIO3KBV C. CAPACITOR CH 50V 0. 01U 1  C330 ECUXIEI04KBN C. CAPACITOR CH 25V 0. 1U 1  C331 ECUMIH333KBN C. CAPACITOR CH 50V 0. 033U 1  C332 ECUMICIO5KBM C. CAPACITOR CH 16V 1U 1  C333 ECEVIEVAR7Q E. CAPACITOR CH 25V 4. 7U 1  D830 MA8051-H DIODE 1  C333 ECEVIEVAR7Q E. CAPACITOR CH 25V 4. 7U 1  D831 MA142WK DIODE 1							-		1	2
C326   ECUNICIOSKBM   C. CAPACITOR CH 16V   1U   1     D814-16   MA142WK   D10DE   3				2			210004	DIODE	1	
C330 ECUX1E104KBN C. CAPACITOR CH 25V 0. 1U 1 D829 NSQ03A04 DIODE 1  C331 ECUMIN33KBN C. CAPACITOR CH 50V 0. 033U 1  C332 ECUMIC105KBM C. CAPACITOR CH 18V 1U 1  C333 ECEVIEVAR7Q E. CAPACITOR CH 25V 4. 7U 1  D830 MA8051-H DIODE 1  D831, 32 NSQ03A04 DIODE 2  D831, 32 NSQ03A04 DIODE 1				1		D814-16			-	
C331   ECUMIH333KBN   C. CAPACITOR CH 50V   O. O33U   1   D830   MA8051-H   DIODE   1   D831, 32   ECUMICIO5KBM   C. CAPACITOR CH 16V   1U   1   D831, 32   NSQ03A04   DIODE   2   D833   MA142WK   DIODE   1   D831   D832   MA142WK   DIODE   1   D833   MA142WK   DIODE   1   D833   MA142WK   DIODE   1   D833   MA142WK   DIODE   1   D834   DIODE   1   D835   D835   DR35	C327-29			-					-	
C332 ECUMICIOSKBM C. CAPACITOR CH 16V 1U 1 D831, 32 NSQ03A04 DIODE 2 C333 ECEVIEVAR7Q E. CAPACITOR CH 25V 4. 7U 1 D833 MA142WK DIODE 1				-					<del>  '</del>	
C333 ECEV1EV4R7Q E. CAPACITOR CH 25V 4. 7U 1 D833 MA142WK DIODE 1									-	
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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks Re	ef. No.	Part No.	Part Name & Description	Pes	Remarks
	MN6755486H8E	10	1	Q81	15	2SD1819A-R	TRANSISTOR	1	
10101	SC371025AVFU	IC	1	Q81	16, 17	2SB1073-R	TRANSISTOR	2	
10103	UPC4556G2	10	1	Q81	19	2SD1819A-R	TRANSISTOR	1	
10104	MN13821-S	10	1	082	20	2SB1219A-R	TRANSISTOR	1	
10105	TC7W04FU	10	1	Q82	21, 22	2SD1624-S	TRANSISTOR	2	
10110	XC62AP3002P	10	1	Q82	23	2SB1219A-R	TRANSISTOR	1	
10200, 01	AN3890FBS	10	2	Q82	25	2SD1819A-R	TRANSISTOR	1	
10202, 03	MDC05	IC	2	Q82	26, 27	2SB1073-R	TRANSISTOR	2	
	NJM2904M	IC	2	Q82	29	2SD1819A-R	TRANSISTOR	1	
10207	NJM2904M	10	1	Q83	30	2SB1219A-R	TRANSISTOR	1	
10208	TA75W393FU	10	1			2SD1624-S	TRANSISTOR	2	
10209	NJM2904M	10	1	G83		2SB1219A-R	TRANSISTOR	1	
10209	TA75W393FU	10	1	G83		2SD1819A-R	TRANSISTOR	1	
10210	TL1451CNS	10	1			2SB1073-R	TRANSISTOR	2	
10301	AN3841SR	10	2	Q83		2SD1819A-R	TRANSISTOR	1	
	TA75W393FU	10	2	Q84		2SB1219A-R	TRANSISTOR	1	
10401, 02	NJM2904M	10	1			2SD1624-S	TRANSISTOR	2	
10403		10	1	G84		2SB1219A-R	TRANSISTOR	1	
10404	MC14013BF	10	2	Geo		2SD1819A-R	TRANSISTOR	1	
10406, 07	UPC4558G2		2					4	
10409, 10	NJM2904M	10	1	Q90 Q91		2SD1819A-R 2SD1819A-R	TRANSISTOR TRANSISTOR	1	
10501	VS12407B	10	<u> </u>					1	
	VS12407B	10	1	Q91		2SD1819A-R	TRANSISTOR TRANSISTOR	1	<del> </del>
10502	TC7WUQ4FU	10	1	Q92		2SD1819A-R		-	
10503	TA75W393FU	10	1	Q92		2SD1819A-R	TRANSISTOR	+!	<del> </del>
10701	TA75W393FU	10	1	Q92		2SD1819A-R	TRANSISTOR	1	
10702	BA6219BFP-Y	IC	1	Q93	30	2SD1819A-R	TRANSISTOR	1	
1G801	MC14538BF	IC	1	<b>  </b>			TRANSPORTER DECISION	-	
10802	NJM2904M	IC	1	<del> </del>		UN5213	TRANSISTOR-RESISTOR	2	
10803	MC14538BF	10	1			UN5213	TRANSISTOR-RESISTOR	1	
10804	MC74HC11F	10	1			UN5213	TRANSISTOR-RESISTOR	1	
10805	MC14049UBF	IC	1			UN5113	TRANSISTOR-RESISTOR	1	
			_	QR3		UN5213	TRANSISTOR-RESISTOR	1	
L101	VLQ0319K101	COIL 100UH	1	QR5		UN5213	TRANSISTOR-RESISTOR	1	
L102-04	VLQ0319K100	COIL 10UH	3	QR7		UN5114	TRANSISTOR-RESISTOR	2	
L200	VLQ0407120M	COIL 12UH	1	QR7	703, 04	UN5214	TRANSISTOR-RESISTOR	2	
L201, 02	VLQ0407151K	CO1L 150UH	2	QR8	801	UN5213	TRANSISTOR-RESISTOR	1	
L301	VLQ0214	COIL	1	QRE	804	UN5214	TRANSISTOR-RESISTOR	1	
L302, 03	VLQ0407151K	CO1L 150UH	2	QRE	809, 10	UN5214	TRANSISTOR-RESISTOR	2	
L501	VLQ0319K100	COIL 10UH	1	QR8	813	UN5214	TRANSISTOR-RESISTOR	1	
L701	VLQ0319K101	COIL 100UH	1	QR8	814	UN5114	TRANSISTOR-RESISTOR	1	
				QR8	818	UN5114	TRANSISTOR-RESISTOR	1	
P1, P2	VJP3949A080H	CONNECTOR (MALE)	2	QR8	824	UN5114	TRANSISTOR-RESISTOR	1	
P600	VJP3172D003	CONNECTOR (MALE)	1	OR8	828	UN5114	TRANSISTOR-RESISTOR	1	
P601	VJP3172D002	CONNECTOR (MALE)	1	QRE	834	UN5114	TRANSISTOR-RESISTOR	1	
P602	VJP3172D004	CONNECTOR (MALE)	1	QRB	838	UN5114	TRANSISTOR-RESISTOR	1	
P603	VJP3172D002	CONNECTOR (MALE)	1	QR8	844-46	UN5214	TRANSISTOR-RESISTOR	3	
P604	VJP3172D003	CONNECTOR (MALE)	1	QRS	903-07	UN5214	TRANSISTOR-RESISTOR	5	
P605	VJP3518B002	CONNECTOR (MALE)	1	QRS	913	UN5214	TRANSISTOR-RESISTOR	-1	
P606	VJP3172D003	CONNECTOR (MALE)	1	GRS	915	UN5214	TRANSISTOR-RESISTOR	1	
P607	VJS3801B010	CONNECTOR (FEMALE)	1	QR9	917	UN5214	TRANSISTOR-RESISTOR	1	
P608	VJP3518B002	CONNECTOR (MALE)	1	QRS	919-23	UN5214	TRANSISTOR-RESISTOR	5	
P609	VJP3172D002	CONNECTOR (MALE)	1	<del>                                     </del>		UN5214	TRANSISTOR-RESISTOR	1	
P610	VJP3518B003	CONNECTOR (MALE)	1						
P611	VJP3518B002	CONNECTOR (MALE)	1	R10	02, 03	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2	
P612	VJP3172D004	CONNECTOR (MALE)	1	Ric			M. RESISTOR CH 1/16W 56K	1	
P613	VJS3406B015	CONNECTOR (FEMALE)	1	R11			M. RESISTOR CH 1/16W 10K	1	
P614, 15	VJS3422B017	CONNECTOR (FEMALE)	2	R11			M. RESISTOR CH 1/16W 100	1	
P614, 15	VJS3422B019	CONNECTOR (FEMALE)	1				M. RESISTOR CH 1/16W 100	7	
P617	VJP1232T	CONNECTOR (MALE) 5P	1	R12			M. RESISTOR CH 1/16W 6. 8K	1	
P617	VJP3125B002	CONNECTOR (MALE)	1	R13			M. RESISTOR CH 1/16W 68K	1	
P619	VJP31258002 VJP3809E060	CONNECTOR (MALE)	1	R13			M. RESISTOR CH 1/16W 330K	1	
	VJP3358C022	CONNECTOR (MALE)	1	R13			M. RESISTOR CH 1/16W 82K	1	
P620	1010000022	CONTROLON (MALE)	+	R13			M. RESISTOR CH 1/16W 8. 2K	1	4
	0001000 5	TRANSISTOR	2	R13			M. RESISTOR CH 1/16W 8. 2K	1	
0100, 01	2SD1820-R	TRANSISTOR TRANSISTOR	2	R13			M. RESISTOR CH 1/16W 100K	1	
0103, 04	2SD1820-R	TRANSISTOR	1	R13			M. RESISTOR CH 1/16W 56K	1	
0105	2SB1219A-R	TRANSISTOR	1	R13			M. RESISTOR CH 1/16W 100K	1	
Q106	2SD1819A-R	TRANSISTOR	-					+	
Q200, 01	2SB1073-R	TRANSISTOR	2	R13				- <del> </del>	
Q301, 02	2SB1073-R	TRANSISTOR	2	R13			M. RESISTOR CH 1/16W 10K	<u> </u>	
Q401	2SB1219A-R	TRANSISTOR	1	R14			M. RESISTOR CH 1/16W 5. 6K	1	
Q502, 03	2SD1819A-R	TRANSISTOR	2	R14			M. RESISTOR CH 1/16W 33	1	<u> </u>
Q702	2SB1073-R	TRANSISTOR	1	R14			M. RESISTOR CH 1/16W 5. 6K	1	
Q703	2SD1624-S	TRANSISTOR	1	R14	-		M. RESISTOR CH 1/8W 270	1	L
Q811	2SB936A-Q	TRANSISTOR	1	R14			M. RESISTOR CH 1/16W 1.8K	1	
Q812	2SD1819A-R	TRANSISTOR	1	R14	45	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
			_						
			L						
				DDM 10					

Ref. No.	Part No. ERJ3GEYJ182	Part Name & Description	cs Remarks	Ref. No. R268-70	Part No. ERJ3GEYJ103	Part Name & Description M. RESISTOR CH 1/16W 10K	Pcs	
	ERJ3GEYJ104	M. RESISTOR CH 1/16W 1.8K	1	R268~70	ERJ3GEYJ334	M. RESISTOR CH 1/16W 330K	1	
	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R272	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	<del>  '</del>	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R273	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5. 6K	+;	
	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R274	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	+	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R275	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	١,	
	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R301, 02	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R303	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
			1	R304			H:	
	ERJ3GEYG682				ERJ3GEYJ683		<u> </u>	
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	R305	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	'	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R306	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	'	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	7	R308-10	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3	
	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	R312	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	<del> </del>
	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R313, 14	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	<del> </del>
1178	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	11	R315	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
	VRE0034E223	M. RESISTOR CH 1/10W 22K	2	R316	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	
181	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R317	ERJ6GEYG154	M. RESISTOR CH 1/10W 150K	1	
182	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	R318	VRE0034E183	M. RESISTOR CH 1/10W 18K	1	
183	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R319	ERJ3GEYJ474	M. RESISTOR CH 1/16W 470K	1	:
185	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R320	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
190	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	R327, 28	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	
191	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R330	ERJ8GEYJ1RO	M. RESISTOR CH 1/8W 1	1	
192-95	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	4	R332	ERJ8GEYJ1RO	M. RESISTOR CH 1/8W 1	1	
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R334, 35	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R337, 38	ERJ8GEYJ1RO	M. RESISTOR CH 1/8W 1	2	
202	ERJ8GEYJ681	M. RESISTOR CH 1/8W 680	1	R339	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	R340, 41	ERJ8GEYJ681	M. RESISTOR CH 1/8W 680	2	
205, 04	VRE0034E333	M. RESISTOR CH 1/10W 33K	1	R342	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
206	VRE0034E223	M. RESISTOR CH 1/10W 22K	1	R344	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
208	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	R346-49	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	A	
	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R356, 57	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	2	
209			1	R358	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
210	ERJ8GEYJ1RO		1			M. RESISTOR CH 1/16W 47K	1	
211	ERJ8GEYJ1R2	M. RESISTOR CH 1/8W 1.2K		R381	ERJ3GEYJ473		<u> </u>	
212	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R362	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	R363	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
215	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	R364	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
216	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R371, 72	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	2	
217	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R401	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
218	ERJ8GEYJ681	M. RESISTOR CH 1/8W 680	1	R402	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
219, 20	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	R406	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
221	VRE0034E333	M. RESISTOR CH 1/10W 33K	1	R407	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	
R222	VRE0034E223	M. RESISTOR CH 1/10W 22K	1	R408	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R224	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	R411	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R225	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R412	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
226	ERJ8GEYJ1RO	M. RESISTOR CH 1/8W 1	1	R416	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
227	ERJ8GEYJ1R2	M. RESISTOR CH 1/8W 1.2K	1	R417	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	
228	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R418	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
229, 30	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	R421	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
231	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1	R422	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
232	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R426	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
237	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	R427	ERJ3GEYJ184	M. RESISTOR CH 1/16W 18CK	1	
1238	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R428	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
239	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R431	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	R432	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	,	
240		M. RESISTOR CH 1/16W 1K	1	R436	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
241	ERJ3GEYJ102		1	R437	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	
242	ERJ3GEYJ184						,	
1243	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R438	ERJ3GEYJ103		-	
244	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	R441, 42	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	
245		M. RESISTOR CH 1/16W 1K	1	R443	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
1246	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R444	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
247	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	R445	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
248	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R448	VRE0034E222	M. RESISTOR CH 1/10W 2.2K	1	
249	ERJ3GEYJ184	M. RESISTOR CH 1/16W 180K	1	R449	VRE0034E682	M. RESISTOR CH 1/10W 6.8K	1	
250	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R451	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	
251, 52	ERJ3GEYJ271	M. RESISTOR CH 1/16W 270	2	R461	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
253	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R468, 69	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
254	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	R470	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
256	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R471	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
260, 61	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	R472, 73	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
262	ERJ3GEYJ564	M. RESISTOR CH 1/16W 560K	1	R503-06	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	4	
263		M. RESISTOR CH 1/16W 1K	1	R508	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
		M. RESISTOR CH 1/16W 82K	1	R509	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
264			1	R510	ERJ3GEYJ103	M. RESISTOR CH 1/16W 1K	1	
265		M. RESISTOR CH 1/16W 4.7K		R510			-;	
266		M. RESISTOR CH 1/16W 15K	1	-	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	-!	
287	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	R513	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	_1	
R267								

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks Ref. N	o. Pa	art No.	Part Name & Description	Pc	s Remarks
R514	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R849	ERJ3	GEYJ473	M. RESISTOR CH 1/16W 47K		
R517, 18	VRE0034E223	M. RESISTOR CH 1/10W 22K	2	R850	ERJ3	GEYJ103	M. RESISTOR CH 1/16N 10K		
R519, 20	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	2	R851, 5	2 ERJ8	BGEYJ391	M. RESISTOR CH 1/8W 390	1	
R524	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R853	ERJ3	GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R526	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	R854, 5	ERJ8	GEYJ391	M. RESISTOR CH 1/8W 390	2	2
R527	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R856	ERJ3	GEYJ103	M. RESISTOR CH 1/16W 10K		
R528	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	R857	ERJ3	GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R533	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	1	R858	ERJ3	GEYJ473	M. RESISTOR CH 1/16W 47K		
R534	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	1	R859	ERJ3	GEYG682	M. RESISTOR CH 1/16W 6.8K	1	
R535	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R860, 6	ERJ8	GEYJ391	M. RESISTOR CH 1/8W 390	2	2
R536	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R862	ERJ3	GEYJ103	M. RESISTOR CH 1/16W 10K	$\perp$	
R537-40	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	4	R863, 6	ERJ8	GEYJ391	M. RESISTOR CH 1/8W 390	1 2	2
R541	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	R865	ERJ3	GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R542	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R866	ERJ3	GEYJ473	M. RESISTOR CH 1/16W 47K		
R543	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R867, 6	ERJ3	GEYG682	M. RESISTOR CH 1/16W 6.8K	12	
R544	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R869	ERJ3	GEYJ473	M. RESISTOR CH 1/16N 47K	1	
R545-51	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	7	R870	ERJ3	GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R552	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	R871, 7			M. RESISTOR CH 1/8W 390	1 2	2
R553	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R873			M. RESISTOR CH 1/16W 10K	1	<del></del>
R556, 57	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2				M. RESISTOR CH 1/8W 390	1 2	
R558	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	R876			M. RESISTOR CH 1/16W 10K	1	<del> </del>
R559	ERJ3GEYJ511	M. RESISTOR CH 1/16W 510	1	R877			M. RESISTOR CH 1/16W 6.8K	1	<del></del>
R560, 61	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	2	R878	_		M. RESISTOR CH 1/16W 47K	1	
R600	ERJ12YOROO	M. RESISTOR CH 1/2W 0	1	R879	_		M. RESISTOR CH 1/16W 6.8K	1	
R701, 02	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	R880			M. RESISTOR CH 1/8W 390	1	
R703	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R881			M. RESISTOR CH 1/16W 10K	1	
R704	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R882~8			M. RESISTOR CH 1/8W 390	3	
R706	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	R885			M. RESISTOR CH 1/16W 10K	$\perp$ !	
R707	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R886			M. RESISTOR CH 1/16W 47K	-!	
R708	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	-	R887			M. RESISTOR CH 1/16W 6.8K	1	
R709	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R890-9	-		M. RESISTOR CH 1/2W 3.3	-	
R710	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	-	R897, 9		2YJ3R3	M. RESISTOR CH 1/2W 3.3	2	<b></b>
R711	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	-	R905			M. RESISTOR CH 1/16W 10K	┞.	<b> </b>
R712, 13	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	R906			M. RESISTOR CH 1/16W 2. 2K	<del>  '</del>	
R714	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	<u> </u>	R907		GEYJ103	M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/16W 2.2K	-	
R715	ERJ3GEYJ103 ERJ8GEYJ101	M. RESISTOR CH 1/16W 10K M. RESISTOR CH 1/8W 100	2	R910			M. RESISTOR CH 1/16W 2.2K M. RESISTOR CH 1/16W 10K	-	
R716, 17 R718	ERJ8GEYJ300	M. RESISTOR CH 1/8W 30	1	R913	_		M. RESISTOR CH 1/16W 10K	١.;	
R721	ERJ6GEYG271	M. RESISTOR CH 1/10# 270	1	R914		GEYJ222	M. RESISTOR CH 1/16W 2, 2K	-	<u> </u>
R721	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	+	R915		GEYJ473	M. RESISTOR CH 1/16W 47K	+;	
R727-30	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	4	R917, 10	_		M. RESISTOR CH 1/16W 10K	1	
R731-34	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	- A	R921			M. RESISTOR CH 1/16W 10K	-	
R735	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R922	_		M. RESISTOR CH 1/16W 22K	+;	
R736	ERJ3GEYJ103	M. RESISTOR OH 1/18W 10K	+	R923			M. RESISTOR CH 1/16W 27K	1	<del> </del>
R737, 38	ERJ8GEYJ102	M. RESISTOR CH 1/8W 1K	2	R924			M. RESISTOR CH 1/16W 22K	1	f
R747	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R925			M. RESISTOR CH 1/16W 27K	1	<del> </del>
R748	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R926			M. RESISTOR CH 1/16W 22K	1	
R749		M. RESISTOR CH 1/8W 0	1				M. RESISTOR CH 1/16W 10K	4	
R801		M. RESISTOR OH 1/16W 10K	1	R932	_		M. RESISTOR CH 1/16W 0	1	1
R803, D4		M. RESISTOR CH 1/16W 47K	2	R933, 34			M. RESISTOR CH 1/16W 10K	2	
R805		M. RESISTOR CH 1/16W 100	1	R936-38			M. RESISTOR CH 1/16W 10K	3	<del>                                     </del>
R806		M. RESISTOR CH 1/16W 47K	1	R940			M. RESISTOR CH 1/16W 10K	1	
R810, 11	-	M. RESISTOR CH 1/16W 47K	2					Τ.	
R815-17		M. RESISTOR CH 1/16W 10K	3		EYF60	CU	TEST POINT	1	
R819, 20	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	2		EYF60		TEST POINT	1	
R821		M. RESISTOR CH 1/16W 3.9K	1						
R822		M. RESISTOR CH 1/16W 10K	1	TP100-0	2 EYF60	CU	TEST POINT	3	
R823-25	ERJ6GEYG681	M. RESISTOR CH 1/10W 680	3	TP107	EYF60	CU	TEST POINT	1	
R826, 27	ERJ3GEYJ394	M. RESISTOR CH 1/16W 390K	2	TP113	EYF60	CU	TEST POINT	1	
R828		M. RESISTOR CH 1/16W 6.8K	1.	TP115, 1	8 EYF60		TEST POINT	2	
R829		M. RESISTOR CH 1/16W 47K	1	TP301, C	2 EYF60	วบ	TEST POINT	2	
R830	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	TP402	EYF60	CU	TEST POINT	1	
R831, 32		M. RESISTOR CH 1/8W 390	2	TP501-C	5 EYF60	CU	TEST POINT	5	
R833	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	TP902	EYF60	CU	TEST POINT	1	
R834, 35	ERJ8GEYJ391	M. RESISTOR CH 1/8W 390	2						
R836	ERJ3GEYJ103	M. RESISTOR OH 1/16W 10K	1	VR101	EVM7	JGA00854	V. RESISTOR 50K	1	
R837	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	VR401	EVM7.	JGA00854	V. RESISTOR 5QK	1	
R838	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	VR402	EVM7J	JGA00824	V. RESISTOR 20K	1	
R839	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	1	VR501, 0	2 EVM7J	JGA00824	V. RESISTOR 20K	2	
R840, 41	ERJ8GEYJ391	M. RESISTOR CH 1/8W 390	2	VR503	EVM7J	IGAOOB14	V. RESISTOR 10K	1	
R842	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1.	VR504	EVM7J	GA00853	V. RESISTOR 5K	1	
R843, 44	ERJ8GEYJ391	M. RESISTOR CH 1/8W 390	2						
R845	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	X500	VSX07	791	CRYSTAL OSCILLATOR	1	
R846	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1						
R847, 48	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	2				MISCELLANEOUS		
						I			
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			1 7 2 7 1 1 1	222	The second second		the contract of the contract o		and the control of th

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Рс	s Remarks
		OULEI D. DICE	-		P1002	VJP2824B002	CONNECTOR (MALE)  CONNECTOR (MALE)  3P	-!	
	VSC4607	SHIELD CASE	1		P1003	VJP2824A003		-	
			<u> </u>		P1004	VJP3518B008	CONNECTOR (MALE)	_ 1	
					P1005	VJP3125B009	CONNECTOR (MALE)	1	
■ E2	VEPO0W08B	HEAD PHONE P. C. BOARD	1	(RTL)	P1006, 07	VJP3125B004	CONNECTOR (MALE)	2	2
					P1008, 09	VJ\$3551	CONNECTOR (FEMALE)	2	2
C9201, 02	ECKF1H102ZF	C. CAPACITOR 50V 1000P	2		Q1001	2SJ280S	TRANSISTOR	1	
					01002	2SB779-Q	TRANSISTOR	1	
10004	11110500	LACK	-		01003	2SD1819A-R	TRANSISTOR	1	
J9201	VJJ0522	JACK	-		4	-	TRANSISTOR	1	
			┡		Q1004	2SD874-R		-	<del></del>
L1, L2	VLP0147	COIL	2		Q1005	2SD1979	TRANSISTOR	_1	<del> </del>
					Q1006	2SB1220-R	TRANSISTOR	1	
P9201	VJP1608T	CONNECTOR (MALE)	1		01007, 08	2SD1821-R	TRANSISTOR	2	2
					Q1009, 10	2SD1979	TRANSISTOR	2	2
<b>■</b> E3	VEP80A44A	DC INPUT P. C. BOARD	1	(RTL)	QR1001-06	UN5113	TRANSISTOR-RESISTOR		
	VET GONTAN	100 1100	<del>  '</del>						<del> </del>
			-		21001	FD 1005V0470	M DEGLETOD ON 1/10W 4 7V	١.,	
			_		R1001	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
D1	S3V40	DIODE	1		R1002	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
					R1003	ERJ6GEYJ1RO	M. RESISTOR CH 1/10W 1	1	
		MISCELLANEOUS			R1004	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
					R1005	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
	V (D0717	CONNECTOR	1		R1006	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K	1	
	VJP2717		+-		-			1	
	VEE9423	EX DC CABLE UNIT	1		R1007	ERJ8GEYJ1RO		-	
			-		R1008	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K	1	1
					R1009	ERJ3GEYJ390	M. RESISTOR CH 1/16W 39	L1	
<b>■</b> E4	VEP84297B	REAR JACK P. C. BOARD	1	(RTL)	R1010	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
_ 67	042010		+-'	1	R1011	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
			+		_			-	
			_		R1012	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
C1001-06	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1		R1014	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	_1	
C1007	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1		R1015	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
C1008	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1		R1016	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1	
			-			-	M. RESISTOR CH 1/16W 820	1	
C1009	ECUM1H223KBN	C. CAPACITOR CH 50V 0. 022U	+-		R1017	ERJ3GEYJ821		+-	
C1010	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	1		R1018	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1_1	
C1011	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1		R1019	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	_1	
C1012	ECQB2332JF	P. CAPACITOR	1		R1020	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
		C. CAPACITOR CH 50V 220P	1		R1021	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
C1014	ECUX1H221JCV		+-					2	
C1015	ECEVOJN1000	E. CAPACITOR CHB. 3V 10U	1		R1022, 23	ERJ3GEYG472		-	
C1016	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1		R1024	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
C1017	VCC0030	C. CAPACITOR	1	1	R1025, 26	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	2	2[
C1018	ECUM1H273KBN	C. CAPACITOR CH 50V 0. 027U	1		R1027	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
C1019	ECUX1H822KBV	C. CAPACITOR CH 50V 8200P	1		R1028	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	ri .
			1		R1029	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0		
C1020	ECUX1E104ZFV		-		-			1	
C1021	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1		R1030	ERJ3GEYJ124	M. RESISTOR CH 1/16W 120K	1	
C1022	ECEVOUN1000	E. CAPACITOR CHB. 3V 10U	1		R1031	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
C1023	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1		R1034	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
C1024		C. CAPACITOR CH 25V O. 047U	1		R1035	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
			1		R1036	ERJ3GEYJ273	M. RESISTOR CH 1/16W 27K	1	
C1025			-					-	
C1026	VCE0180	CAPACITOR	1		R1037	ERJ3GEYJ563		+	
C1027	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1		R1038	ERJ8GEYJ101	M. RESISTOR CH 1/8W 100	1	
C1028, 29	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1 3			1		L	
C1030, 31			1		SW1001	VSS0342	SWITCH	1	
	-	E. CAPACITOR CH 4V 220U	+		11			П	1
C1032	ECEVOGV2210	E. OAFAULTUR OF 4V 2200	-		T1001	W T0720	TRANSFORMER	1	<del> </del>
			-		T1001	VLT0729	HOSTOF ORMER	-	<del> </del>
CB1001	VSQ0834	CIRCUIT PROTECTOR	1			ļ		-	<del> </del>
								_	
D1001	S3V60	DIODE	1		TG1001, 02	EYF6CU	TEST POINT	2	2
D1002	MA142K	DIODE	1		1	1			
21002	mn i ven		+		VR1001	VRV0161B503	V. RESISTOR 50K	1	
		<del> </del>	-					<del>  '</del>	<del></del>
FL1001	EIR7QF012B	TRANSFORMER	1		VR1002	VRV0161B103	V. RESISTOR 10K	1	
			L					_	
101001.02	NJM4558M-D	IC	2	*			MISCELLANEOUS	L	
11000 00	M E10151100	EU TER	2		1	VMP4846	JACK ANGLE	1	<b></b>
	VLF1315A102	FILTER	1 2		11			-	
L1005	VLF1315A102	FILTER	1		11	XYN3+K6	SCREW	1	
L1007, 08	VLF1315A102	FILTER	2			L		L	
L1010	VLF1315A102	FILTER	1					1	
			1		■ E5	VEP80A43A	AV OUT P. C. BOARD	1	(RTL)
	VLF1151A132	COIL	1		- 20	, El CONTON		+-	<del>                                     </del>
L1013	VLP0320	COIL	1		1	<del></del>		-	
	VLQ0423J472	COIL 4700ÚH	1					_	
L1014	VLF1315A102	FILTER	8		J3	VJS3154	CONNECTOR (FEMALE)	1	
		1	-	1	J4	VJS3155	CONNECTOR (FEMALE)	1	1
L1015-22		COLL	1 1						
	ELELN560KA	COIL	1					1	
L1015-22 L1023	ELELN560KA				J5	VJJ0323	RCA PIN JACK	1	
L1015-22		CONNECTOR (FEMALE)	1					1	

Def M.	Dont No.	Part Name & Description	Pos	Remarks	Ref. No.	Part No.	Part Name & Description	Po	Remarks
Ref. No.	Part No.		PCS	Remarks	C1078, 79		C. CAPACITOR CH 25V 1U	2	
L9701-03	VWJ0121	CABLE	3					-	
	ļ		_		C1080	ECEV1HNR47Q	E. CAPACITOR CH SOV O. 47U	-	<del> </del>
P9700	VJP1610T	CONNECTOR (MALE)	1		C1101	VCK0284	G. CAPACITOR	Ľ	
P9701	VJP1607T	CONNECTOR (MALE)	1		C1102	E0G0188150	C. CAPACITOR 12V 15P	Ľ	
					C1103	VCK0284	G. CAPACITOR		
					C1104	EGUX1H331JCV	C. CAPACITOR CH 50V 330P	] 1	
<b>■</b> E6	VEPQOY56A	SERVO FLEXIBLE P. C. BOARD	1	(RTL)	C1105	VCE0180	CAPACITOR	1	
- 20	VEI GOTGOX	CERTO FEET TO BOND	<u> </u>	****	01106	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
			-					Η:	
			_		C1107		C. CAPACITOR CH 16V 0. 047U	<u> </u>	
P1, P2	VJS3806E060	CONNECTOR (FEMALE)	2		01108	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	<u></u>
					C1109	ECUX1C333KBV	C. CAPACITOR CH 16V 0. 033U	1	
	<del> </del>				C1110	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	T	
<b>■</b> E7	VEP81179A	POWER P. C. BOARD	1	(RTL)	C1111	ECUX1C273KBV	G. CAPACITOR CH 16V O. 027U	1	
	VEFGITION	TOWERT T. S. BOILE	<del> </del>		C1112	ECUX1H472KBV	C. CAPACITOR CH 50V 4700P	1	
			-					-	
			L-		01113		C. CAPACITOR CH 50V 820P	1	<del> </del>
C1001	VCE0180	CAPACITOR	1		C1114	EGST1AY225Z	T. CAPACITOR CH 10V 2. 2U	L	<del> </del>
C1002	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4. 7U	1		01115	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1	
C1003	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1		C1116	ECST1VY474Z	T. CAPACITOR CH 35V 0. 47U	1	
G1004	ECEV1HV010Q	E. CAPACITOR CH 50V 1U	1		01117	ECUX1H103ZFV	C. CAPACITOR CH 50V 0. 01U	1	
			+	<del></del>	C1118	ECUX1H181JCV	C. CAPACITOR CH 50V 180P		
C1005		C. CAPACITOR CH 50V 120P	⊢'	L		-		-	
C1006	ECUM1C474KBM	G. CAPACITOR CH 16V 0, 47U	1 1	<u> </u>	01119	ECUM1C473KBV	C. CAPACITOR CH 16V O. 047U	1	<del> </del>
G1007	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1		C1120		C. CAPACITOR CH 50V 8200P	1	
C1008	ECUM1H103KBN	C. CAPACITOR CH SOV O. OIU	1		C1121	ECUX1H471KBV	C. CAPACITOR CH 50V 470P		
C1009		C. CAPACITOR CH 50V 470P	1		C1122	ECUX1E104KBN	C. CAPACITOR CH 25V O. 1U	1	
C1010		C. CAPACITOR CH 16V 0.1U	1		01123		C. CAPACITOR CH 50V 820P	1	
			-		01124	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1	
C1011-13		C. CAPACITOR CH 50V 1000P	1 3				<del></del>	-	
C1014		G. CAPACITOR CH 25V 0. 1U	1-1		61125, 26	ECUX1H821JCV	C. CAPACITOR CH 50V 820P	1	<del> </del>
C1015	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1		C1127, 28	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1	
C1016	EGUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1		C1129	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	<u>l</u> 1	
C1017, 18	VCEA1DAP101	E. CAPACITOR 20V 100U	2		C1130	VCK0284	C. CAPACITOR	1	
C1021		C. CAPACITOR CH 25V 0. 1U	1		C1131	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
			+		C1132	-	C. CAPACITOR CH 16V C. 027U		
C1022	VCE0180	CAPACITOR	Η.					-	
C1023	ECUX1H681JV	C. GAPACITOR CH 50V 680P	[ ]		C1133	VCE0180	CAPACITOR		
C1024	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U			01134, 35	ECUM1C105ZFN	C. CAPACITOR CH 16V 10	13	!
C1025	VCE0180	CAPACITOR	1		C1136	VCK0284	C. CAPACITOR	1	
G1026	ECUX1H681JV	C. CAPACITOR CH 50V 680P	1		C1137	ECUX1H331JCV	C. CAPACITOR CH 50V 330P	1	
C1027	VCE0180	CAPACITOR	1		C1138	EGUX1C273KBV	C. CAPACITOR CH 16V 0. 027U	1	
			1		C1139	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C1028	ECUX1E104ZFV		<del>  '</del>		-	-		1	
C1029	VCE0180	CAPACITOR	1		C1140	ECUX1H122KBV	C. CAPACITOR CH 50V 1200P		
C1030	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		C1141	ECUX1H102KBV	C. CAPACITOR CH SOV 1000P		
C1031	ECUX1E104KBN	C. CAPACITOR CH 25V O. 1U	1		C1142, 43	ECA1EFQ221	E. CAPACITOR 25V 220U	2	!
C1033	VCE0180	CAPACITOR	1		C1144-47	VCK0284	G. CAPACITOR	1	
C1034	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1		C1148	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
		<del>                                     </del>	+		C1149	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1	<del></del>
C1035	VCE0180	CAPACITOR	+					-	<del></del>
C1036, 37	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2		C1150	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	
C1038	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4.7U	1		C1151	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1	
C1039	ECEV1HV010Q	E. CAPACITOR CH 50V 1U	1	l i	01152	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1_1	ļ
C1042	ECUX1H471JCV	C. CAPACITOR CH SOV 470P	1		01153	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
C1043		C. CAPACITOR CH 25V O. 1U	1		C1206	VCK0284	C. CAPACITOR	1	
			1		01207	ECA1EFQ221	E. CAPACITOR 25V 220U	1	<del> </del>
C1044		C. CAPACITOR CH 50V 470P	Η.	l		-		-	
C1045		C. CAPACITOR CH 16V O. 027U	1		C1208	VCK0284	C. CAPACITOR		<del> </del>
C1046-48	ECUX1H102JV	C. CAPACITOR CH 50V 1000P	3		C1209	EGA1EFQ221	E. CAPACITOR 25V 220U		
C1049	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1		L			L	
C1050	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1		D1001	MA143	DIODE	1	
C1051	ECUX1E104KBN	C. CAPACITOR CH 25V O. 1U	1		D1004-06	MA736	DIODE	1	
			1		D1007	MA143	DIODE	1	1
C1053	VCE0180	CAPACITOR CIVE SOLVE SOLVE	+			-		+	<del> </del>
C1054	ECUX1H681JV	C. CAPACITOR CH 50V 880P	1		D1008	MA736	DIODE		<del> </del>
C1055	VCE0180	CAPACITOR	1		D1009	MA738	DIODE	1	<u> </u>
C1056	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1		D1010	NSQ03A04	DIODE	L	
C1057	ECUX1E104KBN		1		D1011	E010QS1012	DIODE	1	
G1059	VCEO180	CAPACITOR	1		D1014	MA736	DIODE	1	
			<del>-</del>	<del></del>		MA738	DIODE		<del> </del>
C1060	ECUX1H681JV	C. CAPACITOR CH SOV 680P	1		D1015			H	<del> </del>
C1061	VCE0180	CAPACITOR	11		D1017, 18		DIODE	12	
C1062	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		D1101	MA142K	DIODE	1	
C1063	VCEA1DAP680	E. CAPACITOR 20V 68U	1		D1102	S805-050P	DIODE	1	
C1066	VCEA1AAP221	E. CAPACITOR 10V 220U	1		D1103	MA142K	DIODE	1	I
			+ ;		D1106-12		DIODE	1	
C1067	ECUX1E104KBN		+ '	<del> </del>	51100-12		- 300	+	
C1068	ECUM1H123KBV	C. CAPACITOR CH 50V O. 012U	1	<u> </u>			l	-	
C1069	VCEA1CAP101	E. CAPACITOR 16V 100U	1		101001, 02	BA9706K	1C	2	
C1070	ECEV1HV3R30	E. CAPACITOR CH 50V 3.3U	1		101003	LM2577MX-ADJ	10	1	
C1071	ECA1EFQ820	E. CAPACITOR 25V 82U	1		101004	BA9707KV	10	1	
			+ ;					T.	
01072	ECA1JFG560		+	·	1.00	NI 004074 - 2011	0011	-	
01073	ECUM1H104KBM	C. CAPACITOR CH SOV 0. 1U	1		L1001	VLQ0407120M	COIL 12UH	1	
01074	ECA1JFQ560	E. CAPACITOR 63V 58U	1		L1002, 03	VLQ0622	COIL	2	
	ECEV1HV3R3Q	E. CAPACITOR CH SOV 3. 3U	1		L1004	VLQ0297	COIL	1	
C1077			-						
C1077	<u> </u>		ı	{ 1				[	
C1077			$\vdash$			<del> </del>		_	

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Ref. No.	Part No.	Part Name & Description	Pos	Remarks	Ref. No.	Part No.	Part Name & Description	20.5	Remarks
	VLQ0407680K	COIL 68UH	1	Remarks	R1033	VRE0034E393	M. RESISTOR CH 1/10W 39K	1	Remarks
			-		R1034	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
L1007	VLQ0621	COIL	'					2	
	VLQ0621	COIL	-		R1035, 36	VRE0034E182	M. RESISTOR CH 1/10W 1.8K	-	
L1010	VLQ0407680K	COIL 68UH	1		R1038	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
L1012	VLQ0621	COIL	1		R1039	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
L1013	VLQ0407680K	COIL 68UH	1		R1040	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
L1014	VLQ0642	COIL	1		R1041	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
L1015	VLQ0417	COIL 10UH	1		R1042	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	1	
L1016	VLQ0319K680	COIL	1		R1043, 44	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	2	
L1017	VLQ0621	COIL	1		R1045, 46	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	2	
L1018	VLQ0407680K	COIL 68UH	1		R1047	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
	ELC5SB3R9M	COIL 3. 9UH	1		R1048	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	1	
L1101			-		-			2	
L1102	ELL7SR330M	COIL	-		R1049, 50	ERJ3GEYJ101			
L1103	ELC5SB4R7M	CO1L 4. 7UH	1	<del>, , , , , , , , , , , , , , , , , , , </del>	R1051	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
L1104	ELL7SR470M	COIL	1	· ·	R1054	VRE0034E563	M. RESISTOR CH 1/10W 56K	1	
L1105	ELC5SB4R7M	COIL 4. 7UH	1		R1055	VRE0034E822	M. RESISTOR CH 1/10W 8.2K	_1	
L1106	ELL7SR220M	COIL	1		R1056	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1.	
L1107	VLQ0319K100	COIL 10UH	1		R1057	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
L1108	VLQ0319K220	COIL 22UH	1		R1058	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
	VLQ0319K100	COIL 10UH	1		R1060	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
L1109			1		R1062	VRE0034E163	M. RESISTOR CH 1/10W 16K	1	
L1110	VLQ0319K220	COIL 22UH	-			-		1	
			-		R1063	VRE0034E822	M. RESISTOR CH 1/10W 8. 2K		
P1001	VJS2889A025	CONNECTOR (FEMALE)	1	<u>,</u>	R1064	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	· · · · · · · · · · · · · · · · · · ·
P1002	VJS2698A026	CONNECTOR (FEMALE)	1		R1065	ERJ3GEYJ560	M. RESISTOR CH 1/16W 56	1	
P1003	VJP1231T	CONNECTOR (MALE) 4P	1		R1066	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
					R1069	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	1	
Q1001, 02	2SJ245S	TRANSISTOR	2		R1070	VRE0071E103	M. RESISTOR CH 1/16W 10K	1	
01003, 04	2SD1820A-R	TRANSISTOR	2		R1071	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	1	
		TRANSISTOR	1		R1072	ERJ14YJ1RO	M. RESISTOR CH 1/4W 1.0	1	
Q1005	2SB1219A		_			ERJ6GEYG681	M. RESISTOR CH 1/10W 680	1	
Q1006	2SJ245S	TRANSISTOR	1		R1073	-			
Q1007	2SD1820A-R	TRANSISTOR	1		R1074	VRE0034E683	M. RESISTOR CH 1/10W 68K	1	
Q1008	2SB1219A	TRANSISTOR	1		R1075	VRE0034E182	M. RESISTOR CH 1/10W 1.8K	1	
Q1009	2SJ245S	TRANS1STOR	1		R1076	VRE0034E101	M. RESISTOR CH 1/10W 100	1	
01010	2SD1820A-R	TRANSISTOR	1		R1077	ERJ8GEYJ101	M. RESISTOR CH 1/8W 100	1	
Q1011	2SB1219A	TRANSISTOR	1		R1078	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
Q1012	2SJ245S	TRANSISTOR	1		R1080	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	
01013	2SD1820A-R	TRANSISTOR	1		R1081	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
	2SB1219A	TRANSISTOR	1		R1082	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
01014			1		R1083	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
01015	2SJ279S	TRANSISTOR	1					1	
Q1016	2SB1219A	TRANSISTOR	1		R1085	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K		
01017	2SD1820A-R	TRANSISTOR	1		R1086	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1	
Q1019	2SD1820A-R	TRANSISTOR	1		R1087	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	1	
Q1020	2SB1219A	TRANSISTOR	1		R1088	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
01022	2SD1820A-R	TRANSISTOR	1		R1089	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q1101-03	FP102	TRANSISTOR	3		R1092	VRE0034E153	M. RESISTOR CH 1/10W 15K	1.	
01104	2SB798	TRANSISTOR	1		R1093	VRE0034E393	M. RESISTOR CH 1/10W 39K	1	
91105, 06		TRANSISTOR	2		R1096, 97	ERJ3GEYJ154	M. RESISTOR CH 1/16W 150K	2	
41100,00	2002400	The state of the s	1		R1101	VRE0071E822	M. RESISTOR CH 1/16W 8. 2K	1	
		N DEDLOTOR OIL 1/10W 10V	1		R1102	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R1001	VRE0034E183	M. RESISTOR CH 1/10W 18K	1					1	
R1002	VRE0034E393	M. RESISTOR CH 1/10W 39K	1		R1103	VRE0071E151	M. RESISTOR CH 1/16W 150		
R1003	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1104	VRE0071E242	M. RESISTOR CH 1/16W 2.4K	1	
R1004	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R1105	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1005, 06	VRE0034E182	M. RESISTOR CH 1/10W 1.8K	2		R1106	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
R1007	VRE0034E473	M. RESISTOR CH 1/10W 47K	1		R1107, 08	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	2	
R1008	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1109	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
R1009	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1		R1110	VRE0034E513	M. RESISTOR CH 1/10W 51K	1	
R1010	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1111	VRE0034E273	M. RESISTOR CH 1/10W 27K	1	
		M. RESISTOR CH 1/16W 150	1		R1112, 13	VRE0034E182	M. RESISTOR CH 1/10W 1.8K	2	
R1011	ERJ3GEYJ151		1		R1114	VRE0034E392	M. RESISTOR CH 1/10W 3. 9K	1	
R1012	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	-			1		1	
R1013	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1		R1115	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		
R1014	ERJ3GEYJ123	M. RESISTOR CH 1/16W 12K	1		-	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	
R1015	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1		R1118, 19	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	2	
R1016	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	- 1		R1120	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1	
R1018	VRE0034E153	M. RESISTOR CH 1/10W 15K	1		R1121	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1019	VRE0034E332	M. RESISTOR CH 1/10W 3.3K	1		R1122	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	1	
R1021	VRE0034E432	M. RESISTOR CH 1/10W 4. 3K	1		R1123	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
	-		1		R1124	VRE0034E472	M. RESISTOR CH 1/10W 4.7K	1	
R1022	VRE0034E182	M. RESISTOR CH 1/10W 1.8K						긤	
R1023	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1		R1125	VRE0034E361		-	
R1024	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R1126	VRE0034E272	M. RESISTOR CH 1/10W 2.7K	1	
R1025	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1		R1127	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R1026	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	1		R1128	VRE0034E472	M. RESISTOR CH 1/10W 4.7K	1	
R1027	-	M. RESISTOR CH 1/16W 150K	1		R1129	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1	
R1030	VRE0034E332	M. RESISTOR CH 1/10W 3.3K	1		R1130	VRE0034E242	M. RESISTOR CH 1/10W 2.4K	1	
	VRE0034E332	M. RESISTOR CH 1/10W 13K	1		R1131	VRE0034E152	M. RESISTOR CH 1/10W 1.5K	1	
R1031					R1132	VRE0071E301	M. RESISTOR OH 1/16W 300	1	
R1032	VRE0034E183	M. RESISTOR CH 1/10W 18K			11102				
			$\vdash$			<del> </del>		-	
	L		Ш			L.,	<u> </u>	_	

Description   Part No.   Part N	VEP83356	B VEP843	SU/A					· · · · · · · · · · · · · · · · · · ·		AU DZUUNE
Bit	D 0 W	D 4 N	Done Nove & Description	Doc	Pomarka	Ref No	Part No	Part Name & Description Part	7	Remarks
Balles   Calestration   Maistration of 1/am   10   1   1   1   1   1   1   1   1				_	Vehat v2				-	ROBOL RS
BELOSCHAPPO   MEDITION OF VIVOR   44   1				-			-	<del></del>	-4	
BITTO   DECENTION   BESTER OF 17/08   ASS   1									-;	
Entity   Department   Property	R1135			1			-		4	
Extra	R1136	VRE0034E433	M. RESISTOR CH 1/10W 43K	1					÷	
Security Color   Secu	R1137	VRE0034E753		1					2	
BITCH   SAUGROOM   SAUGHT	R1138	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1		C164			.1	
STOCK   Control   Contro	R1143-45	ERJ3GEYJ680	M. RESISTOR CH 1/16W 68	3		C165	ECUX1H100DCV	C. CAPACITOR CH 50V 10P	1	
RESIDE   BLADSFERZE   BASISTED ON 1798   20   1   1   1   1   1   1   1   1   1	R1146	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		C166	ECUMIC105KBM	C. CAPACITOR CH 16V 1U	1	
RECORD   CAMPATOR OF ANY IN THE PROVIDED BY   1   1   1   1   1   1   1   1   1		ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1		C168-70	ECUX1E104ZFV	C. CAPACITOR CH 25V D. 1U	3	
STATE   Committed   Committe				1		C171	ECUX1HO5OCCV	C. CAPACITOR CH 50V 5P	1	
STOCK   STATE OF THE PARTY OF A 1 PARTY OF				i -			ECUM1C224KBN	C. CAPACITOR OH 16V 0. 22U	1	
RECORD   CONTINUED CONTI				-					1	
FIRST									٦	
Fig. 10	R1206								-1	
THE PROPERTY OF THE PROPERTY	R1207	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1			-		4	
First   12   ADDRETHION   RESISTENCY ON   1   1   1   1   1   1   1   1   1	R1208	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1		C191			$\rightarrow$	
Tripon	R1210	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		C192	ECEV1EN3R3Q		-1	
THO   CLIMBOOK   COLIN   CLIMBOOK   CLIMBO	R1211, 12	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	2		C193-95	ECUX1E104ZFV	C. CAPACITOR CH 25V 0: 1U	3	
Column	R1213	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		C501	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
THE COLOR   THE PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   THE FEMALE   FOR PROVIDED   THE FEMALE   THE FEM						C504	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	
THE COLOR   THE PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   FOR PROVIDED   THE FEMALE   THE FEMALE   FOR PROVIDED   THE FEMALE   THE FEM	T1001	ELL 7500006	COLL	1		C505	ECUX1H180JCV	C. CAPACITOR CH SOV 18P	1	
Third   Continue   C	11001	LLL / ONDOOG		<del>-</del>					1	
This		ENERGY!	TEST COLUT	-					1	
WILDOW-05   CHEMINADORIS   VIESTISTOR   SK   6   COOKING   COMPANION   C. CAMPATOR				-					-	
WILDO-	TP1101-08	EYF6CU	IESI PUINI	1 8					-	
VINIONO   EMPLIANDES   RESISTOR STORE   500   1				-					4	
## 1-64	VR1001~05	EVM7JGA00B23	V. RESISTOR 2K	5					2	
■ 10 VPS935568 VTR MAIN P. C. BOMD 1 1 0TTJ INCLUSES 68 00012 00012 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 00010 000	VR1006	EVM7JGA00B52	V. RESISTOR 500	1		C3006	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	
■ E8 VEPROSOSS VTR MAIN P. C. BOMBO 1 0 0TH DISCUSSION SERVINGER CONTROL OF SERVINGER CONTRO						C3007	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1	
■ EB VERROSSES VIT MAIN P. C. BOMBD 1 1 OTTO INCLUDING EB COSCIE CONTROL CONT	W1-W4	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	4		C3008	ECEVOJV1010	E. CAPACITOR CH6. 3V 100U	1	
■ 69 VERRASSOR VIT MANT P. C. BONDO 1 (PITL) INCLIDING ED 00012 (CONTRICTORY OF 1987 V. 1) 1  ■ 69 VERRASSOR AGG GUR P. C. BONDO 1 (PITL) INCLIDING ED 00012 (CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF CONTRICTORY OF 1987 V. 1) 1  □ CONTRICTORY OF 1						C3009, 10	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	2	
■ EB				1					~	
### 699 ### 6994007A ### 699400		VED000E00	WTD MAIN D C DOADD	1.	(PTI ) INCLUDING FO				-4	
CODITION   CONTINUED   COMPACTION OF 25Y   C. 10   1				+:			-			
COUNTY   COMPACTOR OF 129   0.10   1   COUNTY   COMPACTOR OF 129   0.10   1   COUNTY   COUNTY   COMPACTOR OF 129   0.10   2   COUNTY   C	■ E9	VEP84307A	AGC SUB P. C. BUARD	<u> </u> '	(KIL) INCLUDED E8		-		~-	
COUNTETOWERPY   C. CAPACITOR CIL 287   C. 1.1   C. 1.2				<u> </u>			-		-'	
CORRECTION   COMPACTION   COM				_			-		4	
CORRECTION   COMPACTION CHI 257 C. CAPACTION CHI 257 C. T.U. 2   CORRECTION CHI 257 C. T.U. 3   CORRECTION CHI 257 C. T.U.	C1	ECUX1E104ZFV	G. CAPACITOR CH 25V 0.1U	1					1	
COCCATA   CONTRIBUTION   COMPACTION (CH. 29Y   C. 10   2   C. 10	C2	VCK0151	C. CAPACITOR	1		G3020, 21	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	
COCCEST   CAPACITOR CHI 20		ECUX1E104ZFV	C. CAPACITOR CH 25V D. 1U	2		C3022	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
CREATER   CAPACITOR CRI 259			E. CAPACITOR CH 4V 47U	1		C3023, 24	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	
Committee   Comm				1			ECEVOJV330Q	E. CAPACITOR CHE. 3V 33U	1	
Color   Colo	-			1					5	
C3102   EUXINIATION   C. CAPACITOR CH 50V 470P   1				1					1	
C16, 17   VOKO152   C. CAPAGITOR   D.				+:					-	
C19				-					-;	
C21   EQUITINGSCOPY   C. CAPACITOR CH 50V   SP   2   G310P   EQUITINGSCOPY   C. CAPACITOR CH 50V   SP   2   G311P   C311T	C16, 17			2					-1	
C22, 23   EQUXIHIDGOODY   C. CAPACITOR CH 50V   SP   2   C3109   EQUXIHATJJOV   C. CAPACITOR CH 50V   470P   1	C19	VCK0152		1		-	-		-	
C24	C21	ECUX1H180JCV	C. CAPACITOR CH SOV 18P	1			-		4	
C25	C22, 23	ECUX1H05OCCV	C. CAPACITOR CH SOV 5P	2		G3109			1	
Color	C24	VCK0152	C. CAPACITOR	1		C3111	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
C28   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3200   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3200   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3200   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3200   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3210   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3210   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3210   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3210   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3211   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3212   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3223   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3223   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3223   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   2   C3223   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3224   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3224   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U   1   C3224   ECUXIETOAZEV   C. CAPACITOR CH 25V   O. 1U	C25	ECUX1H103KBV	C. CAPACITOR CH SOV O. OIU	1		C3112, 13	ECUX1HO40CCV	C. CAPACITOR CH 50V 4P	2	
G32, 33   VCK0151   C. CAPACITOR CH 25V   O. 1U   1   G3200   EQUXIHISTACV   C. CAPACITOR CH 50V   120P   1				1		C3114, 15	ECUX1E104ZFV	C. CAPACITOR OH 25V O. 1U	2	
C32 6 EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C35 VCKOISI C. CAPACITOR CH 25V 0. 1U 1  C35 VCKOISI C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C44 VCKOISI C. CAPACITOR CH 25V 0. 1U 2  C45 EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C45 EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C46 EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C47 ECSTIAXIOSZ T. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 2  C49 EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE DAZEV C. CAPACITOR CH 25V 0. 1U 1  C32 C EQUIVE D				2		G3200	ECUX1H121JCV	C. CAPACITOR CH 50V 120P	1	
C33				1					1	
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C39 A C EGUXIEIOAZEV C C CAPACITOR CH 25V O. 1U 2  C41 ECSTIAX108Z T. CAPACITOR CH 10V 10U 1  C42, 43 EGUXIEIOAZEV C C CAPACITOR CH 25V O. 1U 2  C44 VCK0151 C CAPACITOR CH 25V O. 1U 2  C45, 46 EGUXIEIOAZEV C C CAPACITOR CH 25V O. 1U 2  C46 VCK0151 C CAPACITOR CH 25V O. 1U 2  C47 ECSTIAX108Z T. CAPACITOR CH 25V O. 1U 2  C48 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 2  C49 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C40 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C41 ECSTIAX108Z T. CAPACITOR CH 25V O. 1U 1  C42 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C43 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C44 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C45 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C5223, 24 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 2  C46 ECUXIHIBOLOV C CAPACITOR CH 25V O. 1U 1  C5223 ECUXIHIBOLOV C CAPACITOR CH 25V O. 1U 1  C51-S3 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C51-S3 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C5233 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C524 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C524 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C525 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C526 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C526 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C526 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C526 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C526 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C527 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C528 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C528 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C528 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 1  C528 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 2  C68 ECUXIEIOAZEV C CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 2  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1  C69 ECEVOGV470Q E CAPACITOR CH 25V O. 1U 1		-		<u> </u>						
C41 ECSTIAXIOSZ T. CAPACITOR CH 10V 10U 1  C42, 43 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C44 VCK0151 C. CAPACITOR CH 25V 0. 1U 2  C45, 46 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C45, 46 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C46 VCK0151 C. CAPACITOR CH 25V 0. 1U 2  C47 ECSTIAXIOSZ T. CAPACITOR CH 25V 0. 1U 2  C48 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C49 ECUXIHIBOUCV C. CAPACITOR CH 25V 0. 1U 1  C5223, 24 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C49 ECUXIHIBOUCV C. CAPACITOR CH 50V 18P 1  C50 ECUXIHIBOUCV C. CAPACITOR CH 50V 0. 1BP 1  C51-53 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 3  C5225 ECUXIHI2IUCV C. CAPACITOR CH 25V 0. 1U 1  C5225 ECUXIHI2IUCV C. CAPACITOR CH 25V 0. 1U 1  C5225 ECUXIHI2IUCV C. CAPACITOR CH 10V 1U 1  C5226 ECUXIHICIOSEBM C. CAPACITOR CH 10V 1U 1  C5227 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5228 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5224 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5224 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5225 ECUXIHISOUCV C. CAPACITOR CH 10V 1U 1  C5224 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5224 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5225 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5226 ECUXIEIO4ZFV C. CAPACITOR CH 10V 1U 1  C5227 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6228 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6229 ECEVONATOQ E. CAPACITOR CH 25V 0. 1U 1  C5226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C680 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 2  C690 ECEVONATOQ E. CAPACITOR CH 25V 0. 1U 3  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 ECEVONATOQ E. CAPACITOR CH 25V 0. 1U 1  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 ECUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C6226 EC				<del>-</del>						
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CAL SUNCTIONERS C. CAPACITOR 1  CAS. 46 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 2  CAS. 46 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 2  CAS. 46 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 2  CAS. 46 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 46 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 47 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 48 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 49 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 50V 18P 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 50V 18P 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 50V 18P 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV C. CAPACITOR CH 25V O. 1U 1  CAS. 50 FOUXIETOAZEV				1					$\neg$	
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C47 ECSTIAXIOBZ T. CAPACITOR CH 10V 10U 1  C48 ECUXIE104ZFV C. CAPACITOR CH 25V 0. 1U 1  C49 ECUXIH180JCV C. CAPACITOR CH 25V 0. 1U 1  C50 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C50 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C51 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C52 ECUXIH12JCV C. CAPACITOR CH 50V 12P 1  C52 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C51 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C52 ECUXIH12JCV C. CAPACITOR CH 16V 1U 1  C52 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 3  C52 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C53 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C52 VCK0151 C. CAPACITOR CH 4V 47U 1  C68 VCK0151 C. CAPACITOR CH 25V 0. 1U 1  C68 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C68 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 2  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 2  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 2  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 4  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 4  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIH10JCFV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXIHIDATEV C. CAPACITOR CH 25V 0. 1U 1  C60 ECUXI	G44			1			-		~	
C48 EQUXIEIO4ZFV C. CAPACITOR CH 25V 0. 1U 1  C49 ECUXIH180JCV C. CAPACITOR CH 50V 18P 1  C50 ECUXIH682KBV C. CAPACITOR CH 50V 6800P 1  C51-53 ECUXIEI04ZFV C. CAPACITOR CH 25V 0. 1U 1  C54 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C52 ECUXIH150JCV C. CAPACITOR CH 25V 0. 1U 1  C55 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C55 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C56 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C68 VCK0151 C. CAPACITOR 1 1 C3233 ECUXIH150JCV C. CAPACITOR CH 16V 1U 1  C68 ECUXIH160ZFV C. CAPACITOR 1 1 C3235, 38 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C68 ECUXIH160ZFV C. CAPACITOR 1 1 C3235, 38 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C69 ECUXIH160ZFV C. CAPACITOR CH 25V 0. 1U 1  C69 BECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 BECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 BECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 BECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 2  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 3  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C69 ECEVOGV470Q E. CAPACITOR	C45, 46	ECUX1E104ZFV		2						
C49	C47	ECST1AX108Z	T. CAPACITOR CH 10V 10U	1				<del>    -   -   -   -   -  </del>	-	
C49 ECUX1H180JCV C. GAPAGITOR CH 50V 18P 1  C50 ECUX1H682KBV C. GAPAGITOR CH 50V 8800P 1  C51-53 ECUX1E104ZFV C. CAPAGITOR CH 25V 0. 1U 3  C5232 ECUX1E104ZFV C. CAPAGITOR CH 25V 0. 1U 1  C524 ECEVOGY470Q E. CAPAGITOR CH 4V 47U 1  C62 VCK0151 C. CAPAGITOR CH 10V 1U 1  C66 VCK0151 C. CAPAGITOR CH 10V 1U 1  C66 ECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1  C67 ECEVOGY470Q E. CAPAGITOR CH 10V 1U 1  C68 ECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1  C68 ECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1  C69 ECUX1E104ZFV C. CAPAGITOR CH 25V 0. 1U 1  C69 ECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1  C69 BECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1  C60 BECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1U 1  C60 BECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1U 1  C60 BECUX1E104ZFV C. CAPAGITOR CH 10V 1U 1U 1  C60 BECUX1E104ZFV C. CAPAGITOR CH 10V 1U		ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		C3223, 24	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	
C3231   ECUX11682KBV   C. CAPACITOR CH 50V   6800P   1     C3231   ECUX1E104ZFV   C. CAPACITOR CH 16V   1U   1   1   1   1   1   1   1   1				1		C3225	ECUX1H121JCV	C. CAPACITOR CH 50V 120P	1	
C3232   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   3   C3232   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3233   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3233   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3234   ECUMIC105KBM   C3234   ECUMIC105KBM   C3234   ECUMIC105KBM   C3235   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3235   C3235   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3235   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3238   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3238   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3240   A1   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   2   C3243   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   2   C3243   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   4   C3257   ECUXIE104ZFV   C. CAPACITOR CH 25V   O. 1U   C3257   ECUXIE104ZFV   C. CAPACITOR CH				1		G3231	ECUM1C105KBM	G. CAPACITOR CH 16V 1U	1	
C54   ECEVOGY47OQ   E. CAPACITOR CH 4V 47U   1   C3233   ECUXINISOUCV   C. CAPACITOR CH 50V   15P   1   C62   VCK0151   C. CAPACITOR   1   C3234   ECUMICIOSKBM   C. CAPACITOR CH 18V   1U   1   C3235   C62   CAPACITOR CH 18V   1U   1   C3236   C32				<u> </u>					1	
Columbia C				-					ᇻ	
C86 VCK0151 C. CAPACITOR 1 C3235, 36 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C86 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C87 ECEVOGV470Q E. CAPACITOR CH 4V 47U 1  C99, 91 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 2  C92 ECEVOLV470Q E. CAPACITOR CH 25V C. 1U 2  C93-95 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 3  C98 ECEVOLV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V C. 1U 1  C103 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C104 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3264 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3265 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3266 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3266 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3266 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3267 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1				1		1		<del></del>	+	
C86 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C97 ECEVOQV47OQ E. CAPACITOR CH 4V 47U 1  C98, 91 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 2  C99, 91 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 2  C99, 92 ECEVOLV47OQ E. CAPACITOR CH 25V C. 1U 3  C99, 95 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 3  C98 ECEVOLV47OQ E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOLV47OQ E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOLV47OQ E. CAPACITOR CH 25V C. 1U 3  C98 ECEVOLV47OQ E. CAPACITOR CH 4V 47U 1  C103 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C104 ECUX1E104ZFV C. CAPACITOR CH 25V C. 1U 1  C3264 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3265 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3265 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3266 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3266 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3267 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3268 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3268 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3268 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3268 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1  C3268 ECUX1E204ZFV C. CAPACITOR CH 25V C. 1U 1				-		1			-	
C87 ECEVOGV47OQ E. CAPACITOR CH 4V 47U 1	C86			<u>  '</u>					4	
C90, 91	C86			11					4	
C92 ECEVQ,V470Q E. CAPACITOR CH6. 3V 47U 1  C93-95 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 3  C98-95 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 3  C98-86 ECEVGV470Q E. CAPACITOR CH 4V 47U 1  C103 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1  C104 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1  C3264 ECUX1E20JCV C. CAPACITOR CH 50V 0. 0U 1  C3265 ECUX1E104ZFV C. CAPACITOR CH 50V 0. 0U 1  C3266 ECUX1E104ZFV C. CAPACITOR CH 50V 0. 0U 1  C3267 ECUX1E104ZFV C. CAPACITOR CH 50V 0. 0U 1  C3268 ECUX1E104ZFV C. CAPACITOR CH 50V 0. 0U 1	C87			1 1					2	
C93-95 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 3  C98 ECEVOGV470Q E. CAPACITOR CH 25V 0. 1U 1  C103 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1  C141 ECUX1H103KBV C. CAPACITOR CH 50V 0. DIU 1  C3263 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1  C3264 ECUX1H220JCV C. CAPACITOR CH 50V 0. DIU 1  C3265 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1  C3266 ECUX1H200JCV C. CAPACITOR CH 25V 0. DIU 1  C3266 ECUX1H200JCV C. CAPACITOR CH 25V 0. DIU 1	C90, 91	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2					4	
C3261, 62   ECEVIEVAR7Q   E. CAPACITOR CH 25V   O. 1U   3   C3261, 62   ECEVIEVAR7Q   E. CAPACITOR CH 25V   O. 1U   1   C3263   EGUX1E104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3264   EGUX1E104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3264   EGUX1E20JCV   C. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   C. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   1   C3265   EGUX1E104ZFV   O. CAPACITOR CH 25V   O. 1U   O. CAPACITOR CH 25V   O. 1U   O. CAPACITOR CH 25V   O. U. U. CAPACITOR CH 25V   O. U. U. CAPACITOR CH 25V   O. U. U. CAPACITOR CH 25V   O. U. CAPACITOR CH 25V   O. U. U. CAPACITOR CH 25V   O. U. CAPACITOR CH 25V   O. U. U.	C92	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1		03257-60	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	4	
C96 ECEVOSV470Q E. CAPACITOR CH 4V 47U 1	C93~95	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	3		C3261, 62	ECEV1EV4R7Q	E. CAPACITOR CH 25V 4.7U	2	
C103 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1 C3264 ECUX1H22DJCV C. CAPACITOR CH 50V 22P 1 C141 ECUX1H103KBV C. CAPACITOR CH 50V 0. 01U 1 C3265 ECUX1E104ZFV C. CAPACITOR CH 25V 0. 1U 1			E. CAPACITOR CH 4V 47U	1		C3263	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	
G141 ECUX1H103KBV C. CAPACITOR CH 50V 0, 01U 1 G3265 EGUX1E104ZFV C. CAPACITOR CH 25V 0, 1U 1				1		C3264	ECUX1H220JCV	C. CAPACITOR CH 50V 22P	1	
CORRECT FORMALISM C CARROLTON OLD 1				1					1	
UIAO AMUNINE IN OUTUNI (AL DE CONTROLLO)				+;					7	
	U146	VORUTOZ	U. UNITAUTION	+ '		30200			+	
			<del> </del>	-		-	<del></del>		+	
TOTAL A.O.	L			_			L	<del></del>		

Ref. No.	Part No.	Part Name & Description	cs Remarks	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
		C. CAPACITOR CH 50V 100P	2	C4105	ECUX1H330JCV	G. CAPACITOR CH 50V 33P	1	
03269	ECUX1E104ZFV	C. CAPACITOR CH 25V 0, 1U	1	04106	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
03270	ECEV1HNR22Q	E. CAPACITOR CH 50V 0. 22U	1	C4107	ECST1AC476Z	T. CAPACITOR CH 10V . 47U	1	
03271, 72	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	2	Ç4108	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1	
03300-07	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. IU	8	C4110	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
03309	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	G4111, 12	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	2	
03311	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1	C4113, 14	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	2	
03312	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	C4115, 16	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	2	
C3313	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	1	04117	ECUX1H102JCV	C. CAPACITOR CH SOV 1000P	1	
03314-17	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	4	C4118	EGUX1H221JCV	C. CAPACITOR CH SOV 220P	1	
C3319	ECUX1H68OJCV	C. CAPACITOR CH 50V 68P	1	C4119	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C3320	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	C4120	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1.	
C3321	ECUX1H560JCV	C. CAPACITOR CH 50V 56P	1	04121	ECEVICV100Q	E. CAPACITOR CH 16V 10U	1	
	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1	C4122	ECUM1C105KBM		1	
C3322 C3323	ECUX1H560JCV	C. CAPACITOR CH 50V 56P	1	C4123	ECUX1E104KBN	C. CAPACITOR CH 25V 0.1U	1	
		C. CAPACITOR CH 25V O. 1U	1	G4124	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	
03324	ECUX1E104ZFV		1	C4125, 26	ECHU1H1 04JB	P. CAPACITOR SOV 0. 1U	2	
03500	ECUX1H102JV		8	C4129	ECEVICV100Q	E. CAPACITOR CH 16V 10U	1	
C3501-08	EGUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U			ECEVICV220Q	E. CAPACITOR CH 16V 22U	1	
3509, 10	ECUX1H122KBV	C. CAPACITOR CH 50V 1200P	2	C4130			-	,
03511-14	ECUX1E104ZFV	C. CAPACITOR CH- 25V O. 1U	4	C4131	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
03515	ECUX1H680JCV	C. CAPACITOR CH 50V 68P	1	C4132	ECUX1H151JCV		1	·
C3516-22	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	7	C4133	ECUX1E104ZFV		1	
03523-26	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	4	C4134, 35	ECEVOJN100Q	E. CAPACITOR CH6. 3V 10U	2	
03527-29	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	3	C4136	ECEVOJV220Q	E. CAPACITOR CH6. 3V 22U	1.	
03530	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	1	C4137	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
03531	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	1	C4201, 02	ECUX1H471JCV	· · · · · · · · · · · · · · · · · · ·	2	
03532-34	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	3	C4203, 04	ECHU1H104JB	P. CAPACITOR 50V 0.1U	2	
03535	ECUX1H152KBV	C. CAPACITOR CH 50V 1500P	1	C4205, 06	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	2	
C3536-51	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. 1U	16	C4207	ECUX1H330JCV	C. CAPACITOR CH 50V 33P	1	
03552	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	G4208	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	
C4001, 02	ECEV1CV4700	E. CAPACITOR CH 16V 47U	2	C4209	ECST1AC476Z	T. CAPACITOR CH 10V 47U	1	
C4003	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	C4210	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
C4004, 05	ECUX1H471JCV	C. CAPACITOR CH 50V 470P	2	C4211	ECUX1H222KBV	C. CAPACITOR CH 50V 2200P	1	
C4006, 07	ECHU1H103JB	P. CAPACITOR 50V 0. 01U	2	G4213, 14	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	2	
C4008	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	C4215, 16	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	2	
	ECEVOJV4700	E. CAPACITOR CH6. 3V 47U	4	G4217, 18	ECUX1E104ZFV		2	
C4011-14		C. CAPACITOR CH 50V O. 1U	1	G4219	ECUX1H102JCV	C. CAPACITOR CH SOV 1000P	1	
C4015	ECUM1H104KBM	C. CAPACITOR CH 25V O. 1U	3	G4220	ECUX1H221JCV	C. CAPACITOR CH 50V 220P	1	
C4016-18	ECUX1E104ZFV		1	C4221	ECEVICV1000	E. CAPACITOR CH 16V 10U	1	·
C4019	ECEVOGV470Q	C. CAPACITOR CH 4V 47U C. CAPACITOR CH 25V 0. 1U	1	G4222	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1	
C4020	ECUX1E104ZFV		1	G4223	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C4021	ECEVICV1000		1	G4224	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	+	
C4022	ECUX1E104ZFV			C4225	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	+	
C4023	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	C4226	ECEVOJV470Q	E, CAPACITOR CH6. 3V 47U	+	
C4024, 25	ECUX1E104ZFV		2		ECHU1H104JB	P. CAPACITOR 50V 0.1U	2	
C4026	ECEVO JV3300	E. CAPACITOR CH6. 3V 33U	1	C4227, 28 C4229	ECEV1CV1000	E. CAPACITOR CH 16V 10U	1	
C4027	ECUX1E104ZFV		1		ECEVICV2200	E. CAPACITOR CH 16V 22U	1	
C4028		C. CAPACITOR CH 16V 1U	1	04230			+	
C4029, 30		E. CAPACITOR CH 16V 10U	2	G4231			-	
C4031	ECUM1C105ZFN		1	G4232		C. CAPACITOR CH SOV 150P	-	
04032	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	1	C4233		C. CAPACITOR CH 25V 0. 1U	1	
C4033	ECUX1E104ZFV		1	C4234, 35	ECEVOJN1000	E. CAPACITOR CH6. 3V 10U	2	
C4034	ECEA07A3300	E. CAPACITOR CH6. 3V 33U	1	C4236	ECEVOJV220Q	E. CAPACITOR CH6. 3V 22U	1	
C4035	ECUX1E104ZFV		1	C4237	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C4036	ECUM1C105KBM		1	06001-05		C. CAPACITOR CH 50V 0. 1U	5	
C4037	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	C6006, 07	ECUX1E104ZFV		2	<del></del>
C4038	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1	C6008	ECEV1CV100Q	E. CAPACITOR CH 16V 10U	1	
C4039	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	C6009	ECUX1E104ZFV		1	
C4040	ECST1VY684Z	T. CAPACITOR CH 35V 0. 68U	1	G6010	ECUX1H12OJGV		1	
C4041	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1	C6011, 12	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2	
C4042	ECEV1HN010Q	E. CAPACITOR CH 50V 1U	1	C6O13	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1	
C4043	ECUX1E104ZFV		1	C6014-18	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	5	
C4045	ECEV1CV1000	E. CAPACITOR CH 16V 10U	1	C6019	ECUM1H104ZFN	C. CAPACITOR CH 50V 0. 1U	1	
C4046	ECUM1C105KBM		1	C6020	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1	
C4047	ECEV1CV1000	E. CAPACITOR CH 16V 10U	1	C6022	ECUX1H12OJCV	C. CAPACITOR CH 50V 12P	1	
C4048	ECEVOJV101Q	E. CAPACITOR CH6. 3V 100U	1	C6023	ECUX1H103KBV	C. CAPACITOR CH SOV O. OIU	1	
C4049	ECUX1E104ZFV		1	C6025, 26	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	
C4050	ECEVICV1000	E. CAPACITOR CH 16V 10U	11	C6030-41	-	C. CAPACITOR CH 25V 0. 1U	12	
	ECUX1H182KBV		1	C6042-47	ECUX1H103KBV		6	
C4051	-		6	C6052	ECUX1H103KBV	-	1	
C4052-57	ECUX1E104KBN		1	C6052	ECUX1H470JCV		H	· · · · · · · · · · · · · · · · · · ·
C4058	ECUX1H182KBV		1	C6055	-	C. CAPACITOR CH 25V 0. 1U	1	
C4059	ECEV1CV470Q	E. CAPACITOR CH 16V 47U	1	- 1 00055	EQUATE TOWARY	o, on not tolk off Edy U. 10		
C4062	ECEAOJU331	E. CAPACITOR 6. 3V 330U	1	- Dagga CC	MATAGORE	DIODE	┝╌╢	
C4063	ECEA1HU100	E. CAPACITOR 50V 10U	1	D3200-03	MA142WK	DIODE	-	
04101, 02			2	D4001, 02	MA143	DIODE	2	
C4103, 04	ECHU1H104JB	P. CAPACITOR 50V 0.1U	2	D4003	MA3220	DIODE	1	

D4101, 02 D4103 D4104 D4201, 02			, ,						
D4004 D4101, 02 D4103 D4104 D4201, 02	Part No.	Part Name & Description	Pes	Remarks	Ref. No.	Part No.	Part Name & Description	Pc	Remarks
D4101, 02 D4103 D4104 D4201, 02		DIODE	1		104004	XC62AP3002P	IC	1	1
D4103 D4104 D4201, 02	MA143					NJMO62M-D	10	1	
D4104 D4201, 02	MA143	DIODE	2		104005			-	
D4201, 02	MA715	DIODE	1		104006	AK4503VF	10	1	1
D4201, 02	MA142K	DIODE	1	11	104007	TC7W125FU	10	$L^{1}$	[[
	MA143	DIODE	2		104008	BA6138F	(ic	1.1	1
		DIODE	1		104009	MC140538F	10	1	1
	MA715						10	١.	<del></del>
D4204	MA142K	DIODE	1		104010	NJMO62M-D		-	
D6001-08	MA715	DIODE	8	1	104011	CXA1102M	10		1
			$\Box$		104012	NJM062M-D	10	1	1]
		H DECLOTED ON 1/10TH A	1		104013	BA7785FS	10	1	1
FGD1	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	-'					1-	·
1					104101	NJM062M-D	10	$\perp$ 1	1
FL1	VLF1118	FILTER	1		104102	NJM4580ED	10	1	1
	VLF0941C223	FILTER	1		164201	NJMO62M-D	10	1	1
			1			NJM4580ED	10	۲,	
FL4001	VLF1069	FILTER	111		104202			-	<u> </u>
					106001	M31010M6104H	10	$\perp$ 1	
101	MN67372A2	IC	11		106002	MAX3223CAP	IC	1	1
		10	1		106003	S80727ANDQ	10	1	1
102	MN4707F		<del>-</del> +					1-	`}
103	MN673711	IC	1		106009	TCVHC138FS	10		1
1G4	L7A1433	10	1	11	106010	TCVHC04FS	10	$L^{1}$	![
105	L7A1434	10	1		106011	MBLV80B12PF	IC	1	1
			1	<del></del>	1C6012	KM68V1BL	10		1
106	XC62AP2302P	10		}				<del> </del>	·
1C7, C8	TC7SH08FU	10	2		106013	T163G26-1019	10		
109	TCVHC125FS	10	1		106014, 15	MC74HC4052F	IC	2	2
1010	TC7S66FU	10	1		106016	UP06456T611Y	IC	1	1
			1			KM68V1BL	10	1	1
1011	M65401FP	10	4		106018	UW09AIRT	10	1-	1
1012	TC7WO4FU	10	1			L		1	
1013	M52660FP	10	1		L1	VLP0145	COIL	1	1
		10	1		L3-L5	VLP0155	COIL	1 3	3
1016	MB81V4260S7		'					-	
1019	XC62AP3002P	10 .	11		L6, L7	VLQ0319K101	COIL 100UH	1	
1020	XC62AP5002P	10	1	11	L8	VLQ0163J220	COIL 22UH		1
1022	M62370GP	IC	1		L11	VLP0155	COIL	1	1
			1		L23	VLQ0464K6R8	COIL 6. 8UH		1
1023	XC62AP5002M	1C	1-1					-	
1C24	XC62AP3002M	10	1		L34	VLQ0319K101	COIL 100UH		1
1025	TC7SH08FU	IC	1		L42	VLP0145	COIL	1	d .
	-	IC	1		L44	VLQ0464K6R8	COIL 6. BUH		
1030	XC62DN5002P		1-1					-	
1033	T160G11-1233	10	1		L501	VLQ0464K6R8	GOIL 6. BUH	1	
1C36	TCVHC08FS	10	1	11	L1001-10	VLF1315A102	FILTER	10	3
1037	TC7SH08FU	10	1		L1011, 12	VLP0147	COIL	1	2
		IC	1		L3001	VLQ0319K220	COIL 22UH	1	1
1040	AD817AR		-					1	
1041	AD790JR	IC	1		L3002, 03	VLQ0319K101	COIL 100UH	1 2	4
1042	TC7SH08FU	10	1	_ [ ]	L3100-03	VLQ0163J2R2	COIL 2. 2UH	4	4
1043	NJM2535M	10	11		L3200-03	VLQ0163J330	COIL 33UH	1	4
	-		1			VLQ0163J1R0	COIL 1UH	2	2
1C45	TCVHC161FS	10	-		L3300, 01			-	
1046	TC7WU04FU	10	1		L3303	VLQ0163JR22	COIL 0. 22UH	_1	1
1051	NJM2904M	10	11	11	L4001, 02	VLQ0163J100	COIL 10UH	2	2
10501	M37709M4L161	10	1		L4101, 02	VLQ0163J100	COIL 100H	2	2
			1			VLQ0163J100	COIL 10UH	2	
103001	TCVHC125FS	10	-					-	<del></del>
103002	TC7SO4FU	10	1		L6001	VLQ0319K100	COIL 10UH		1
103003	XC62AP5002P	10	1		L6002	VLQ0464K6R8	COIL 6. SUH	1	. 1
	XC82AP3002P	10	1		L6003			Ŀ.	1
102005			1 1		Louus	VLQ0163J270	COIL 27UH	1	·
103005	XG62AP5002M	110	1		L0003	VLQ0163J270	COIL 27UH	<u> </u>	·
103005 103006		10	1					1	
	XC62DN5002P	10	1		P2	VLQ0163J270 VJP3810E140	GOIL 27UH GONNEGTOR (MALE)	<u> </u>	
103006	TCVHC125FS							1	
103006 103007 103008	TCVHC125FS	1C 1C	1		P2 P3	VJP3810E140 VJP3809E080	CONNECTOR (MALE) CONNECTOR (MALE)	1	
103006 103007 103008 103009	TCVHC125FS TC7S00FU	10 10 10	1 1		P2 P3 P4	VJP3810E140 VJP3809E080 VJS3406B025	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (FEMALE)	1 1 1	
103006 103007 103008 103009 103010	TCVHC125FS TC7SOOFU TC7WO2FU	10 10 10	1 1 1 1		P2 P3 P4 P6	VJP3810E140 VJP3809E080 VJS3406B025 VJP3125B009	CONNECTOR (MALE)  GONNECTOR (MALE)  CONNECTOR (FEMALE)  CONNECTOR (MALE)	1 1	
103006 103007 103008 103009	TCVHC125FS TC7S00FU	10 10 10	1 1		P2 P3 P4	VJP3810E140 VJP3809E080 VJS3406B025	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (FEMALE) CONNECTOR (MALE) CONNECTOR (MALE)	1 1 1	
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103006 103007 103008 103009 103010 103011 103101 103200, 01 103204 103205 103208 103208 103209 103210, 11 103300 103301 103304 103500 103501	TCVHC125FS TC7S00FU TC7W02FU TC7W04FU TC7W04FU TC7W00FU TC4S89F NJW062M-D XC62DN5002P TC4S69F UPC1683G TC7W32FU TC7W32FU TC7W32FU TC7S04FU UPC51026S030 UPC1683G TC7W32FU TC7W04FU AN3730FA AN3740FAP WC14053BF	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1 1 2 1 1 1 2 1 1 1 1 1 1		P2 P3 P4 P6 P7 P8 P9, 10 P11 P12 P13 P14 P3001 P3002  Q6 Q8 Q3001 Q3002 Q3100 Q3101 Q3102, 03	VJP3810E140 VJP3809E080 VJS34088025 VJP3125B009 VJP3125B009 VJP3125B003 VJP3125B003 VJP3125B003 VJP3950A002 VJP3125B003 VJP3950A002 VJP3125B008 VJP33580012 ZSB1218A-R 2SB1218A-R 2SB1218A-R 2SB1218A-R 2SB1218A-R 2SB1218A-R	CONNECTOR (MALE) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
163006 163007 163008 163009 163010 163011 163101 163200, 01 163203 163204 163205, 06 163208 163209 163210, 11 163300 163302 163303 163304 163500 163501 163502	TCVHC125FS TC7S00FU TC7W02FU TC7W02FU TC7W04FU TC7W04FU TC7W04FU TC7W06FU TC4S68F UPC1663G TC7W32FU TC7S04FU UPC5102GS030 UPC1663G TC7W32FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU HC14053BF UPC5022GA121 HD151015	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1 2 1 1 2 1 1 1 2 1 1 1 1		P2 P3 P4 P6 P7 P8 P9, 10 P11 P12 P13 P14 P3001 P3002  06 G8 G3001 G3002 G3003 G3100 G3101 G3102, O3	VJP3810E140 VJP380GE080 VJS34068025 VJP31259009 VJP31259009 VJP31259003 VJP31259003 VJP31259003 VJP3950A002 VJP31259008 VJS38998013 VJP33596012  2S81218A-R 2S81214 2S91280-S 2S81218A-R 2S81218A-R 2S81114 2S91280-S 2S81218A-R 2S9110A-R 2S91181A-R 2S91181A-R	CONNECTOR (MALE) TRANSISTOR	1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
163006 163007 163008 163009 163010 163011 163101 163200, 01 163204 163205, 08 163208 163209 163209 163209 163300 163300 163304 163500 163501 163502	TCVHC125FS TC7SOOFU TC7W02FU TC7W04FU TC7W04FU TC7W00FU TC7W00FU TC4S69F NJM062M-D XC62DN5002P TC4S69F UPC1663G TC7W32FU TC7S04FU UPC5102GS030 UPC1663G TC7W68FU TC7W04FU AN3730FA AN3740FAP MC14053BF UPC5022GA121	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		P2 P3 P4 P6 P7 P8 P9, 10 P11 P12 P13 P14 P3001 P3002  06 G8 G3001 G3002 G3003 G3100 G3101 G3102, O3	VJP3810E140 VJP3809E080 VJS34088025 VJP31258009 VJP31258009 VJP31258000 VJP31258003 VJP31258003 VJP3950A002 VJP31258003 VJP3950A002 VJP31258003 VJP3950A002 VJP31258008 VJS38998013 VJP33586012 2S81218A-R	CONNECTOR (MALE) TRANSISTOR	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
103006 103007 103008 103009 103010 103011 103101 103200, 01 103204 103205, 06 103208 103209 103209 103201 103300 103302 103304 103500 103501 103502	TCVHC125FS TC7S00FU TC7W02FU TC7W02FU TC7W04FU TC7W04FU TC7W04FU TC7W06FU TC4S68F UPC1663G TC7W32FU TC7S04FU UPC5102GS030 UPC1663G TC7W32FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU TC7W08FU HC14053BF UPC5022GA121 HD151015	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		P2 P3 P4 P6 P7 P8 P9, 10 P11 P12 P13 P14 P3001 P3002  06 G8 G3001 G3002 G3003 G3100 G3101 G3102, O3	VJP3810E140 VJP3809E080 VJS34088025 VJP31258009 VJP31258009 VJP31258000 VJP31258003 VJP31258003 VJP3950A002 VJP31258003 VJP3950A002 VJP31258003 VJP3950A002 VJP31258008 VJS38998013 VJP33586012 2S81218A-R	CONNECTOR (MALE) TRANSISTOR	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

			_ T			Dead M	Dant None & Danielar	D.	Domontes
Ref. No.	Part No.	Part Name & Description		Remarks Ref. No.	_		Part Name & Description M. RESISTOR CH 1/16W 0	PCS	Remarks
	2SC3735B35	TRANSISTOR	2	R189			M. RESISTOR CH 1/16W 2.2K	H	
3201	2SA1532-B	TRANSISTOR	1	R195	-			2	
	2SD1979	TRANSISTOR	4	R196, 97	_			2	
3207	2803935 .	TRANSISTOR	1	R205, 06			M. NEGIGIBIO GIL III I I I I I	<del>-</del>	
33208, 09	2802954	TRANSISTOR	2	R222	-		M. RESISTOR CH 1/16W 0	1	
33210	2803935	TRANSISTOR	1	R227	-		M. RESISTOR CH 1/16W 27	1	-
3212, 13	2SA1532-B	TRANSISTOR	2	R232	V		M. RESISTOR CH 1/16W 560	1	
93214	2802954	TRANSISTOR	1	R233	V	RE0071E122	M. RESISTOR CH 1/16W 1.2K	1	
	2SA1532~B	TRANSISTOR	1	R234	E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
	2SD1979	TRANSISTOR	4	R235	E	RJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	1
	2802954	TRANSISTOR	2	R236	E	RJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	
	2SA1532-B	TRANSISTOR	2	R237	E	RJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
			1	R238	-		M. RESISTOR CH 1/16W 100	1	
	2802954	TRANSISTOR	-	R239			M. RESISTOR CH 1/16W 6.8K	1	
3228	2SD1280-S	TRANSISTOR	1	R240	-		M. RESISTOR CH 1/16W 100K	1	
33229	2SB1218A-R	TRANSISTOR			-		M. RESISTOR CH 1/16W 680	1	<u> </u>
3230	2SB1114	TRANSISTOR	1	R241	_			'	
3235	2SB1114	TRANSISTOR	1	R242			M. RESISTOR CH 1/16W 12K	<b>⊢</b> '	
3300	XN5531	TRANSISTOR-RESISTOR	1	R243	-		M. RESISTOR CH 1/16W 2.2K	-'	
3304, 05	2803935	TRANSISTOR	2	R244	E		M. RESISTOR CH 1/16W 1K	1	
33306	2SC3930-B	TRANSISTOR	1	R245	E		M. RESISTOR CH 1/16W 6.8K	1	
23307	XN5531	TRANSISTOR-RESISTOR	1	R246	E	RJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	1	
33500	2SC3930-B	TRANSISTOR	1	R249	V	RE0071E512	M. RESISTOR CH 1/16W 5. 1K	1	
	2SB1219A-R	TRANSISTOR	H	. R250			M. RESISTOR CH 1/16W 5. GK	1	
33501			+:	R251			M. RESISTOR CH 1/16W 47	1	
33502	2SB1218A-R	TRANSISTOR		R253		RJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
Q4001	2SD1819A-R	TRANSISTOR	-			RJ3GEYJ470	M. RESISTOR CH 1/16W 47	۲.	
24002	2SD602A-R	TRANSISTOR	1	R290	-			┌.	
04003	2SB710A-R	TRANSISTOR	1	R291	-	RJ3GEYJ273	M. RESISTOR CH 1/16W 27K	-	
Q4004	2SB1220-R	TRANSISTOR	1	R292	_	/RE0071E183	M. RESISTOR CH 1/16W 18K	1	
Q4005	2SD602A-R	TRANSISTOR	1	R293	٧	RE0071E123	M. RESISTOR CH 1/16W 12K	1	
Q4006	2SB1219A-R	TRANSISTOR	1	R294	E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
Q4101, 02	2SD1979	TRANSISTOR	2	R301	E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	L	
04103-05	2SD1819A-R	TRANSISTOR	3	R506	E	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
Q4201, 02	2SD1979	TRANSISTOR	2	R507-08	) E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	3	
		TRANSISTOR	3	R512	E	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
04203-05	2SD1819A-R	IRANSISTOR	-	R513, 14		RJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
			-		-	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
QR3001	UN5213	TRANSISTOR-RESISTOR	1	R515, 16	-+		M. RESISTOR CH 1/18W 0		
QR3100, 01	UN5213	TRANSISTOR-RESISTOR	2	R519, 20	-	RJ3GEYOROO		+:	
QR3200, 01	UN5213	TRANSISTOR-RESISTOR	2	R521		RJ3GEYJ105	M. RESISTOR CH 1/16W 1M	-	
QR4001	UN5213	TRANSISTOR-RESISTOR	1	R522, 23	3 E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	13	
QR4002	UN5113	TRANSISTOR-RESISTOR	1	R524-26	3 E	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	13	3
QR4003	UN5213	TRANSISTOR-RESISTOR	1	R528	E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
QR4004	UN5113	TRANSISTOR-RESISTOR	1	R530, 3	E	RJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	2
QR4005	UN5213	TRANSISTOR-RESISTOR	1	R533-40	) E	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	8	3
QR6001-04	UN5114	TRANSISTOR-RESISTOR	4	R541, 42	2 E	RJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	2
QR6005	UN5214	TRANSISTOR-RESISTOR	1	R544	E	RJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
		TRANSISTOR-RESISTOR	2	R546, 4	-		M. RESISTOR CH 1/16W 0	1	2
QR6006, 07	-		1				M. RESISTOR CH 1/16W 10K	1	3
QR6008	UN5214	TRANSISTOR-RESISTOR	'		-		M. RESISTOR CH 1/16W 0	+	
QR6009-11	UN221L	TRANSITOR-RESISTOR	3	R1009	-			-	
QR6012, 13	UN5211	TRANSISTOR-RESISTOR	2	R1011		RJ3GEYOROO	M. RESISTOR CH 1/16W 0	+	
QR6014-16	UN5213	TRANSISTOR-RESISTOR	3	R3001		RJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
				R3003	E	RJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R22	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R3004	E	RJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	
R31	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R3005	E	RJ3GEYJ473	M. RESISTOR CH 1/16W 47K		I .
R34	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R3006	E	RJ3GEYG332	M. RESISTOR CH 1/16W 3.3K		
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R3007	E	RJ3GEYJ473	M. RESISTOR CH 1/16W 47K		
R41			1	R3008	_		M. RESISTOR CH 1/10W 0	1	
R42	ERJ3GEYJ101		1	R3009		RJ3GEYJ103	M. RESISTOR CH 1/16W 10K		1
R47	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	·			M. RESISTOR CH 1/16W 0	1	1
R52, 53	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	R3011	-			+	
R54	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	R3100, 0			M. RESISTOR CH 1/16W 10K	+	
R56	ERJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	R3102	-		M. RESISTOR CH 1/16W 22K	1	
R57	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	R3103	_	RJ3GEYJ563	M. RESISTOR CH 1/16W 56K	1	
R58	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	R3104	E	RJ3GEYJ222	M. RESISTOR CH 1/1699 2.2K	1	1
R59	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	1	R3105	E	RJ6GEYJ5R6	M. RESISTOR CH 1/10W 5.6		1
R60	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	R3106	E	RJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K		1
	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	R3107	_		M. RESISTOR CH 1/16W 1.2K	1	
R61		-	1	R3108, 0			M. RESISTOR CH 1/16W 0	1	2
R62	ERJ3GEYOROO		-	R3110	_	RJ6GEYG270	M. RESISTOR CH 1/10W 27	1	
R66, 67	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2		-			1	
R68	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1W	1	R3111	-	RJ3GEYJ392	M. RESISTOR CH 1/16W 3. 9K	+	
R70	VRT0145	THERMISTOR	1	R3112	_	RJ3GEYJ122	M. RESISTOR CH 1/16W 1. 2K	1	<u> </u>
R71, 72	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	2	R3114	E	RJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	-
R73	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	R3115	E	RJ3GEYJ563	M. RESISTOR CH 1/16W 56K		1
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R3116	E	RJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	L	1
R128		M. RESISTOR CH 1/16W 0	1	R3117	E	RJ6GEYJ5R6	M. RESISTOR CH 1/10W 5.6	1	
R126	ED TAUENUDUU	I'm New I will I' I'm U			-		M. RESISTOR CH 1/16W 3. 9K	1	.1
R140	ERJ3GEYOROO	M DESISTOR ON 1/18M A	1	R3118	15	RJ3GEYJ392	M. KESISION ON 1/10H U. SIL	,	'}
	ERJ3GEYOROO ERJ3GEYOROO ERJ6GEYOROO	M. RESISTOR CH 1/16W 0 M. RESISTOR CH 1/10W 0	1	R3118 R3119	_	RJ3GEYJ122	M. RESISTOR CH 1/16W 1. 2K	-	1

Part No.				1	<del></del>			<del>                                     </del>			<del></del>
BIANCH   PARTIE OF 17   19	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Desci	ription	Pc	s Remarks
BANKS						R3447	ERJ3GEYJ563	M. RESISTOR CH 1/16W	56K	1	
BANKEL-1969   RESISTENCY OF 178   5.6   1   1   1   1   1   1   1   1   1				-		R3448	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	1	
Bellevier   Bell				-						1	,
Section   Company   Comp				+-+						1	<u> </u>
December   Company   Com	R3124	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1						1	
Section of Section of Lyring   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5	R3200-02	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3		R3501				Ľ	i L
BASSE   BASS	R3203-06	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	4		R3503	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47		I
BRIDE   19   BRI	R3207 08	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	2		R3504	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	F	1
BASEN   BASE				2		R3505	FRJ3GEYJ392	M. RESISTOR CH 1/16W	3. 9K	1	il and the second
BARREY   BARRY   CONTROL			100	1					-	1	1
March   Marc	R3218	ERJ3GEYJ471		1						+	<u> </u>
BASEN_1222   BASEN_1222   RESISTED ON 1/108   APRIL   BASEN_1222   BASEN_12224   BASEN_12224   BASEN_12224   BASEN_12224   BASEN_12224   BASEN_12224   BASEN_12224   BASEN_122224   BASE	R3219	ERJ3GEYJ103	M. RESISTOR CH 1/16W TOK	1		R3508, 09	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	4
BASENT-222   BASENTO-ON 1/100   APRIL 200   C.	R3220	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1		R3510	ERJ3GEYJ562	M. RESISTOR CH 1/16W	5. 6K	1	[
BASENCY   BASENCY   CALLES		FR.13GEY.1222	M. RESISTOR CH 1/16W 2.2K	1		R3511	ERJ3GEYJ273	M. RESISTOR CH 1/16W	27K	1	1
BASEL   BASE				2		P3512	FR.I3GEY.I182	M RESISTOR CH 1/16W	1 8K	1	
Section   Sect			and the second s						2.00	Η.	
MARCH   MARC	R3224	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	11							<del>'</del>
BADDET   B	R3225, 26	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R3514	ERJ3GEYJ224	M. RESISTOR CH 1/16W	220K		1
BADDET   B	R3228	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R3515	ERJ3GEYJ821	M. RESISTOR CH 1/16W	820		· · · · · · · · · · · · · · · · · · ·
BABBAT   B	P3229	FR.13GFY.1470	M. RESISTOR CH 1/16W 47	1		R3516	ERJ3GEYJ680	M. RESISTOR CH 1/16W	68		i
MAJEST-1-55   MAJEST-1-55   MAJEST-1-56			The state of the s	1	<del></del>				1.14	1	il.
MARINET   MARI				1	<b> </b>					1	
Milliam   Mill	R3231	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	+-+						1	
Section   Section   Company   Comp	R3232-34	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3		R3519	ERJ3GEYJ392	M. RESISTOR CH 1/16W	3. 9K		1
MAJANET   1882   MAJANET	R3237	ERJ3GEYG472	M. RESISTOR CH 1/16W 4. 7K	1		R3520	ERJ3GEYJ331	M. RESISTOR CH 1/16W	330	1	1
BASES   BASE				2		R3521-23	ERJ3GEYJ222	M. RESISTOR CH 1/16W	2. 2K	1	3
Material Color   Mate				-					-	1	1
Page   1982   Page   1982   Page   1982   Page   1982   Page   1982   Page				+-+	-				-	+	<del>`</del>
READER   RESISTING ON 1/1/16   2.05   2   1   1   1   1   1   1   1   1   1	R3241			1						+	<u> </u>
SEASO   SEASOFF CHE   1   1   1   1   1   1   1   1   1	R3242-44	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3		R3527, 28	ERJ3GEYJ103			+	
RESISTION   REMONENTIZE   RESISTOR ON 1/100   1.0K   2   RESISTOR ON 1/100   2.0K   3   RESISTOR ON 1/100   3.0K   3   RES	R3245-48	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	4		R3529	ERJ3GEYJ102	M. RESISTOR CH 1/16W	1K	1	1
Record   R				2		R3530	ERJ3GEYJ470	M. RESISTOR CH 1/16W	47	T	1
BURNEWFORCE   BURNEWFORCE   STORY   S. M.				1						1	,1
RADIEST   RADI				-						+	1
ROSSES   BLADERY JOS   RESISTOR OF 1 / 198   14   1   1   1   1   1   1   1   1	R3253	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	+-+						1.	
BAUGUSTA-4770   BESISTER OF LYTHS   47   1	R3262, 63	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2		R3534	ERJ3GEYG822	M. RESISTOR CH 1/16W	8. 2K		1
BAUGHYLATO   BAU	R3265	FRJ3GFYJ102	M. RESISTOR CH 1/16W 1K	1		R3535	ERJ3GEYJ562	M. RESISTOR CH 1/16W	5. 6K		1
BASESTY   BASESTY   SANGERY   15   BASESTY				1		R3536	ERJ3GEYG332	M. RESISTOR CH 1/16W	3. 3K	1	1
March   Marc				+ ;}						1	il
R0274   R0268Y0472   R0268Y0476   R0268Y04	R3268			1-11							
Record   R	R3269-71	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	3	(i_					1	
RESISTOR OF ILLY   RESISTOR OF	R3274	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	_ } { _	R3540	ERJ3GEYJ564	M. RESISTOR CH 1/16W	560K	1	1
PROPERTY   Color   C	R3275, 76	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	2		R3541	ERJ3GEYJ183	M. RESISTOR CH 1/16W	18K	1	of the second second
No.   Page   P			M. RESISTOR CH 1/16W 100K	1		R3542	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K		1
R2200   Characteristics   Ch				1 1					27.11.7	1	1
RESPONDENTIAL   RESISTOR OF I/Town 1.6K   2   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD   RESISTOR OF I/Town 3.0K   2   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD   RECORD   RESISTOR OF I/Town 3.0K   2   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD   RESISTOR OF I/Town 3.0K   2   RECORD   RECORD   RESISTOR OF I/Town 3.0K   1   RECORD	R3278	-		+ :1			-			+	
RECORD   SEQUEDITION   No.	R3280	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	11		R4002, 03				1	4
R2291 ENJOSET/1473 N. RESISTOR CH 1/16W 47K 1 RA000, 09 GR.DGET/104 N. RESISTOR CH 1/16W 10K 2 RA001 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA011 CH 1/16W 10K 2 RA011 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA011 CH 1/16W 10K 2 RA011 CH 1/16W 10K 1 RA012 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA012 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA012 CH 1/16W 10K 1 RA011 CH 1/16W 10K 1 RA012 CH 1/16W 10K	R3287, 88	ERJ3GEYJ182	M. RESISTOR CH 1/16W 1.8K	2		R4004	ERJ6GEYG392	M. RESISTOR CH 1/10W	3. 9K		1
RADIAL   RADIAL   RESISTOR ON 1/198   47K   1	R3289, 90	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2		R4006, 07	ERJ3GEYJ331	M. RESISTOR CH 1/16W	330	1 2	2
RADIO   RADIOETYSICS   M. RESISTOR OH 1/16W   1.5K   1				11		R4008, 09	ERJ3GEYJ104	M. RESISTOR CH 1/16W	100K	1	2
RESISTOR CHI/TOWN   RESISTOR CHI/TOWN   1				++						1	i
RESIDENCE   RESIDENCE   1/10m   20   1   RESIDENCE   1/10m   20   2   RE	R3292			-						+	
R3319	R3301	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	-						+	
R3319	R3309, 10	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	2		R4014, 15	ERJ3GEYJ100	M. RESISTOR CH 1/16W	10	L	2
R3319   ERJSGEY_1470   M. RESISTOR CH   1/16W   47   1	R3318	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1		R4017, 18	ERJ3GEYOROO	M. RESISTOR CH 1/16W	0	1	2
R3320   R33EY1/272   M. RESISTOR CH 1/16M 2.7K   1		ER.130EY.1470	M RESISTOR CH 1/16W 47	11		R4019, 20	ERJ3GEYJ334	M. RESISTOR CH 1/16W	330K	1	2
R3321, 22 ENJSEFTJATO M. RESISTOR CH 1/16M 47 2 RA022-26 ENJSEFTJATO M. RESISTOR CH 1/16M 47 2 RA022-25 ENJSEFTJATO M. RESISTOR CH 1/16M 47 3 RA022-25 ENJSEFTJATO M. RESISTOR CH 1/16M 1.6K 1 RA022-25 ENJS				1			ED.13GEY.1103	M RESISTOR CH 1/16M	10K	1	,
R3292 (ERJSEPTGS22   M. RESISTOR CH 1/16W   3. SK   1   R4028-30   ERJSEPTGS22   M. RESISTOR CH 1/16W   4.7K   3   R3242, 25   ERJSEPTGA27   M. RESISTOR CH 1/16W   477   2   R4031   WEGOGAEASS   M. RESISTOR CH 1/16W   470   2   R4032   R4				+ "						1	
R3324_25	R3321, 22	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	2						+	<u> </u>
R3329_27 ENJSEF_14331	R3323	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	1		R4028-30	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	13	31
R3326, 27 ERJ3GEYJ331 M. RESISTOR ON 1/16M 330 2 RA3328, 29 ERJ3GEYJ311 M. RESISTOR ON 1/16M 470 2 RA333.0 ERJ3GEYJ312 M. RESISTOR ON 1/16M 1.8K 1 1 RA333.1 ERJ3GEYJ312 M. RESISTOR ON 1/16M 1.8K 1 1 RA333.1 ERJ3GEYJ312 M. RESISTOR ON 1/16M 1.8K 1 1 RA333.2 ERJ3GEYJ312 M. RESISTOR ON 1/16M 1.8K 1 1 RA332.2 M. RESISTOR ON 1/16M 1.8K 1 1 RA333.5 M. RESISTOR ON 1/16M 1.7M 1.7M 1.7M 1.7M 1.7M 1.7M 1.7M 1.7	R3324, 25	ERJ3GEYJ470	M. RESISTOR CH 1/16# 47	2		R4031	VRE0034E433	M. RESISTOR CH 1/10W	43K	1	1
R332B, 29 ERJ3GEY477		EP.130EV.1331		2		R4032	ERJ3GEYJ101	M. RESISTOR CH 1/16W	100	1	
R3330 ERJ3GEYJ470 N. RESISTOR CH 1/16M 1. 9K 1 R3331 ERJ3GEYJ470 N. RESISTOR CH 1/16M 1. 9K 1 R3332-34 ERJ3GEYJ470 N. RESISTOR CH 1/16M 47 3 R3332 ERJ3GEYJ470 N. RESISTOR CH 1/16M 47 3 R3337 ERJ3GEYJ470 N. RESISTOR CH 1/16M 47 1 R3338 ERJ3GEYJ470 N. RESISTOR CH 1/16M 47 1 R3337 ERJ3GEYJ470 N. RESISTOR CH 1/16M 47 1 R3338 ERJ3GEYJ470 N. RESISTOR CH 1/16M 1K 1 R3337 ERJ3GEYJ470 N. RESISTOR CH 1/16M 1K 1 R3338 ERJ3GEYJ102 N. RESISTOR CH 1/16M 1K 1 R3339 ERJ3GEYJ103 N. RESISTOR CH 1/16M 1K 1 R3339 ERJ3GEYJ103 N. RESISTOR CH 1/16M 1K 1 R3339 ERJ3GEYJ103 N. RESISTOR CH 1/16M 1K 1 R3340 ERJ3GEYJ103 N. RESISTOR CH 1/16M 10K 1 R3341 ERJ3GEYJ103 N. RESISTOR CH 1/16M 0 1 R3341 ERJ3GEYGROO N. RESISTOR CH 1/16M 0 1 R3341 ERJ3GEYGROO N. RESISTOR CH 1/16M 0 1 R3434 ERJ3GEYGROO N. RESISTOR CH 1/16M 0 1 R3416 ERJ3GEYJ102 N. RESISTOR CH 1/16M 0 1 R3416 ERJ3GEYJ102 N. RESISTOR CH 1/16M 0 1 R3416 ERJ3GEYGROO N. RESISTOR CH 1/16M 0 1 R3420 ERJ3GEYGROO N. RESISTOR CH 1/16M 0 1 R				+-+	I	R4033 34	FR.I3GEYG472			1	2
R8331 ERJGEFJ182 N. RESISTOR CH 1/16M 1.8K 1 R3332-44 ERJGEFJ470 N. RESISTOR CH 1/16M 47 3 R3353, 66 ERJGEFJ470 N. RESISTOR CH 1/16M 2.7K 2 R8335, 66 ERJGEFJ470 N. RESISTOR CH 1/16M 2.7K 2 R8336 ERJGEFJ470 N. RESISTOR CH 1/16M 1.0K 1 R4039 ERJGEFJ470 N. RESISTOR CH 1/16M 1.0K 1 R4040,41 ERJGEFJ404 N. RESISTOR CH 1/16M 1.0K 1 R4040,41 ERJGEFJ404 N. RESISTOR CH 1/16M 1.0K 1 R4040-44 ERJGEFJ406 N. RESISTOR CH 1/16M 1.0K 1 R4040-47 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4040-48 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4040-48 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4040-48 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4040-48 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4101 (2) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4101 (2) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4103 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4103 (4) ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4105 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4106 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4107 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4108 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4109 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4109 ERJGEFJ407 N. RESISTOR CH 1/16M 1.0K 1 R4101 ERJGEFJ407 N. RESISTOR CH 1/16M		-		+-+						$\pm i$	1
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R3337 ERJ3GEYJ470 M. RESISTOR CH 1/16W 47 1	R3332-34	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	3		R4037	ERJ14YJ682	M. RESISTOR CH 1/4W	6. 8K	$\perp$ 1	<u> </u>
R3337 ERJ3GEYJ470 M. RESISTOR CH 1/16M 47 1 R40339 ERJ3GEYJ473 M. RESISTOR CH 1/16M 1K 1 R40340, 41 ERJ3GEYJ104 M. RESISTOR CH 1/16M 100K 2 R3338 ERJ3GEYJ103 M. RESISTOR CH 1/16M 10K 1 R4042-44 ERJ3GEYJ03 M. RESISTOR CH 1/16M 22K 3 R34040 ERJ3GEYJ333 M. RESISTOR CH 1/16M 30K 1 R40464, 49 ERJ3GEYJ333 M. RESISTOR CH 1/16M 22K 3 R3441 ERJ3GEYJ040 M. RESISTOR CH 1/16M 0 1 R4054-49 ERJ3GEYJ047 M. RESISTOR CH 1/16M 4.7K 2 R4054 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 2 R4055 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 2 R4055 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 2 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 2 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 4.7K 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 910 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 47K 1 R4106 BRJ3GEYJ04 M. RESISTOR CH 1/16M 100K 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 100K 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 100K 1 R4105 BRJ3GEYJ04 M. RESISTOR CH 1/16M 100K 1 R4106 BRJ3GEYJ04 M. RESISTOR CH 1/16M 100K 1 R4106 BRJ3GEYJ03 M. RESISTOR CH 1/16M 100K 1 R4106 BRJ3GEYJ03 M. RESISTOR CH 1/16M 100K 1 R4111 BRJ3GEYJ03 M. RESISTOR CH 1/16M 4.7K 2 R4109 BRJ3GEYJ03 M. RESISTOR CH 1/16M 4.7K 2 R4101 BRJ3GEYJ03 M. RESISTOR CH 1/16M 4.7K 2 R4111 BRJ3G		ERJ3GEYJ272	M. RESISTOR CH 1/16W 2. 7K	2		R4038	ERJ3GEYJ153	M. RESISTOR CH 1/16W	15K	1	
R3338 ERJ3GEYJ102 MLRESISTOR CH 1/16M 10K 1 R3339 ERJ3GEYJ103 MLRESISTOR CH 1/16M 10K 1 R3340 ERJ3GEYJ333 MLRESISTOR CH 1/16M 33K 1 R4042-44 ERJ3GEYJ223 MLRESISTOR CH 1/16M 22K 3 R3341 ERJ3GEYOROO MLRESISTOR CH 1/16M 0 1 R4046-47 ERJ3GEYJ223 MLRESISTOR CH 1/16M 22K 3 R4048-49 ERJ3GEYGROO MLRESISTOR CH 1/16M 0 1 R4050 ERJ3GEYJ102 MLRESISTOR CH 1/16M 10K 1 R4050 ERJ3GEYJ102 MLRESISTOR CH 1/16M 0 1 R4050 ERJ3GEYJ102 MLRESISTOR CH 1/16M 0 1 R4101, 02 ERJ1414882 MLRESISTOR CH 1/16M 0 1 R4103, 04 ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4103, 04 ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4103, 04 ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4103 CH ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4106 ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4106 ERJ3GEYJ00 MLRESISTOR CH 1/16M 0 1 R4107 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4107 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4408 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4409 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4410 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4410 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4410 ERJ3GEYJ00 MLRESISTOR CH 1/16M 1 1 R4411 ERJ3GEYJ00 MLRESISTOR CH 1/16M 47K 1 R4411 ERJ3GEYJ010 MLRESISTOR CH 1/16M 47K 1 R4411 ERJ3GEYJ010 MLRESISTOR CH 1/16M 47K 1 R4411 ERJ3GEYJ100 MLRESISTOR CH 1/16M 47K 1 R4411 ERJ3GEYJ100 MLRESISTOR CH 1/16M 47K 1 R4411 ERJ3GEYJ100 MLRESISTOR CH 1/16M 47K 1		-		-				M. RESISTOR CH 1/16M	47K	1	ıl -
R3399 ERJ3GEYJ103 M. RESISTOR CH 1/16M 10K 1 R3400 ERJ3GEYJ333 M. RESISTOR CH 1/16M 33K 1 R3341 ERJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3418 ERJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3419 ERJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3410 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3410 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3410 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3421 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3422 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 1 R3423 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 0 3 R3420 CEJ3GEYGROO M. RESISTOR CH 1/16M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				+ :1							,
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R3341 ERJGEYOROO M. RESISTOR CH 1/16W 0 1 RA343 ERJGEYGH72 M. RESISTOR CH 1/16W 0 1 RA450 ERJGEYJ100 M. RESISTOR CH 1/16W 10 1 RA450 ERJGEYJ100 M. RESISTOR CH 1/16W 10 1 RA450 ERJGEYJ102 M. RESISTOR CH 1/16W 10 1 RA450 ERJGEYJ23 M. RESISTOR CH 1/16W 6. 8K 2 RA450 ERJGEYJ23 M. RESISTOR CH 1/16W 0 1 RA450 ERJGEYJ36 M. RESISTOR CH 1/16W 0 1 RA450 ERJGEYJ36 M. RESISTOR CH 1/16W 0 1 RA450 ERJGEYJ37 M. RESISTOR CH 1/16W 0 1 RA450 ERJGEYJ47 M. RESIST	R3340	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	1		R4045-47	ERJ3GEYJ223	M. RESISTOR CH 1/16W	22K	3	1
R3443 ERJ3GEYOROO M. RESISTOR CH 1/16M 0 1 1 R4050 ERJ3GEYJ100 M. RESISTOR CH 1/16M 1K 1 1 R4101.02 ERJ14YJ682 M. RESISTOR CH 1/16M 6. 8K 2 R3418 ERJ3GEYOROO M. RESISTOR CH 1/16M 0 1 1 R4105 ERJ3GEYJ223 M. RESISTOR CH 1/16M 22K 2 R4105 ERJ3GEYJ223 M. RESISTOR CH 1/16M 910 1 R4106 ERJ3GEYJ911 M. RESISTOR CH 1/16M 910 1 R4106 ERJ3GEYJ911 M. RESISTOR CH 1/16M 910 1 R4106 ERJ3GEYJ473 M. RESISTOR CH 1/16M 910 1 R4106 ERJ3GEYJ473 M. RESISTOR CH 1/16M 47K 1 R4107 ERJ3GEYJ473 M. RESISTOR CH 1/16M 10K 1 R4108 ERJ3GEYJ103 M. RESISTOR CH 1/16M 15K 1 R4109 ERJ3GEYJ473 M. RESISTOR CH 1/16M 15K 1 R4109 ERJ3GEYJ473 M. RESISTOR CH 1/16M 22K 1 R4109 ERJ3GEYJ103 M. RESISTOR CH 1/16M 10K 1 R4110 ERJ3GEYJ103 M. RESISTOR CH 1/16M 22K 1 R4110 ERJ3GEYJ103 M. RESISTOR CH 1/16M 22K 1 R4110 ERJ3GEYJ103 M. RESISTOR CH 1/16M 22K 1 R4111 ERJ3GEYJ103 M. RESISTOR CH 1/16M 47K 1 R4111 ERJ3GEYJ10			M. RESISTOR CH 1/16W 0	1		R4048, 49	ERJ3GEYG472	M. RESISTOR CH 1/16W	4. 7K	2	2
R3416 ERJ3GEYJ102 M. RESISTOR CH 1/16M 1K 1 R4101, 02 ERJ14YJ892 M. RESISTOR CH 1/16M 0 1 R4103, 04 ERJ3GEYJ023 M. RESISTOR CH 1/16M 0 1 R4105 ERJ3GEYJ023 M. RESISTOR CH 1/16M 0 1 R4105 ERJ3GEYJ023 M. RESISTOR CH 1/16M 0 1 R4106 ERJ3GEYJ03 M. RESISTOR CH 1/16M 0 1 R4110 ERJ3GEYJ03 M. RESISTOR CH 1/16M 0 1 R4111 ERJ3GEYJ03 M. RESISTOR CH 1/16M 0			10-10-10-10-10-10-10-10-10-10-10-10-10-1	+ +						1	
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R3431, 32 ERJ3GEYJ471 M. RESISTOR CH 1/16W 470 2 R4109 ERJ3GEYJ233 M. RESISTOR CH 1/16W 22K 1 R3438 ERJ3GEYG152 M. RESISTOR CH 1/16W 1.5K 1 R3439 ERJ3GEYJ473 M. RESISTOR CH 1/16W 47K 1 R3441-43 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 3 R3441-43 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 3 R3444 ERJ3GEYJ563 M. RESISTOR CH 1/16W 56K 1 R3444 ERJ3GEYJ673 M. RESISTOR CH 1/16W 470 1 R3445, 46 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2 R3445, 46 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2		-		++						-	
R3439 ERJ3GEYG152 M. RESISTOR CH 1/16W 1.5K 1  R3439 ERJ3GEYJ473 M. RESISTOR CH 1/16W 47K 1  R3441-43 ERJ3GEYJ473 M. RESISTOR CH 1/16W 10K 3  R3441-43 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 3  R3444 ERJ3GEYJ563 M. RESISTOR CH 1/16W 56K 1  R3445, 46 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2  R3445, 46 ERJ3GEYJ103 M. RESISTOR CH 1/16W 10K 2	R3428, 29	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	+						1	
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	R3445, 46	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2		R4115, 16	ERJ3GEYJ103	M. RESISTOR CH 1/16W	10K	2	:
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Ref. No.	Part No.	Part Name & Description Pc		Ref. No.	Part No.	Part Name & Description	_	
	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K 2		R6020	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	-1	
R4119-22	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R6021	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R4123 ·	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150		R6022	ERJ3GEYOROO	N. RESISTOR CH 1/16W 0	₽!	
R4124	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K 1		R6023	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4125	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47 1		R6024	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R4126	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		R6025	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4127	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R6026	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R4128	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100 1		R6027	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4129	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1		R6029, 30	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0.	2	
R4130	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K		R6031-37	ERJ3GEYJ473	M. RESISTOR CH 1/16W . 47K	1	
R4131	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K		R6038	ERJ3GEYOROO	M. RESISTOR CH 1/16W . 0	1	
		M. RESISTOR CH 1/16W 2.7K		R6039	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
R4132	ERJ3GEYJ272			R6040	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	+ ;	
R4133	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K					2	<u>, , , , , , , , , , , , , , , , , , , </u>
R4134	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47		R6041, 42	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	-	
R4135	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K		R6043	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
R4136	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R6044-52	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	9	
R4137	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		R6053-64	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	12	***************************************
R4138	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		R6065	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4139	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1.	R6067	ERJ3GEYJ102	M. RESISTOR CH 1/16W . 1K	1	
R4140	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K		R6068-71	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120	4	
R4141, 42	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	R6072, 73	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	2	
R4143	ERJ3GEYJ473	M. RESISTOR CH 1/16W. 47K		R6074-76	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1 3	
		M. RESISTOR CH 1/16W 100		R6077-80	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	1	
R4144	ERJ3GEYJ101						+	<u> </u>
R4145	ERJ3GEYJ155	M. RESISTOR CH 1/16W 1.5M	4	R6081-85	ERJ3GEYOROO		+ 2	
R4146	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		R6087, 88	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1 2	
R4201, 02	ERJ14YJ682	MI. RESISTOR CH 1/4W 6.8K		R6089-92	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1 4	
R4203, 04	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	2	R6093-95	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	3	
R4205	ERJ3GEYJ911	M. RESISTOR CH 1/16W 910		R6096-98	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	3	
R4206	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K		R6099	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	
R4207	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1				T	
R4208	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K		SW4101	VSS0367-06B	SWITCH	1	
R4209	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K		SW4102	VSS0367-04B	SWITCH	1	
	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		SW4201	VSS0367-06B	SWITCH	1	
R4210				SW6001	VSS0342	SWITCH	1	
R4211, 12	ERJ3GEYG472			340001	V000042	3811011	<del>  '</del>	
R4213	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470					+-	
R4214	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K		TG6	EYF6CU	TEST POINT	1	
R4215, 16	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	2	TG3001	EYF6CU	TEST POINT	1	
R4217, 18	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	2	TG3300	EYF6CU	TEST POINT	1	
R4219-22	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	4	TG3500	EYF6CU	TEST POINT	1	
R4223	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150		TG4001	EYF6CU	TEST POINT	1	
R4224	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	11				T	
R4225	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47		TH3500	VRT0139K103	THERMISTOR	1	
R4226	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K		7.1-2-2		1	1	
		M. RESISTOR CH 1/16W 10K		TP1, P2	EYF6CU	TEST POINT	2	1
R4227	ERJ3GEYJ103		1		EYF6CU	TEST POINT	6	
R4228	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		TP7-12			2	
R4229	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K		TP501, 02		TEST POINT	1 2	<u> </u>
R4230	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	!	TP3100, 01		TEST POINT	1-	<u> </u>
R4231	ERJ3GEYG822	M. RESISTOR CH 1/16W 8.2K	1.	TP3200-03	EYF6CU	TEST POINT	4	
R4232	ERJ3GEYJ272	M. RESISTOR CH 1/16W 2.7K	1	TP3300	EYF6CU	TEST POINT	1	
R4233	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K		TP3500-08	EYF6CU	TEST POINT	9	
R4234	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1	TP4001	EYF6CU	TEST POINT	1	
R4235	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	TP4004	EYF6CU	TEST POINT	1	
R4236	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	TP6001-04	EYF6CU	TEST POINT	4	
R4237	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K				l .	Т	
	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		VC6001	VCV0049	TRIMMER	1	
R4238	-	M. RESISTOR CH 1/16W 100K					1	
R4239	ERJ3GEYJ104			VR9	EVM7JGAOOB14	V. RESISTOR 10K	1	
R4240	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K					+ :	
R4241, 42		M. RESISTOR CH 1/16W 10K		VR3200	EVM7JGAOOB13		+:	
R4243	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K		VR4003	EVM7JGAO0814		'	
R4244	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		VR4101	EVM7JGAOOB14		1.	
R4245	ERJ3GEYJ155	M. RESISTOR CH 1/16W 1.5M		VR4201	EVM7JGAOOB14	V. RESISTOR 10K	1 1	
R4246	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K				14.00	1_	
R6001	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		Х1	VSX0645	CRYSTAL OSCILLATOR	1	
R6002~04	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	3	X2	VSX0886	CRYSTAL OSCILLATOR	1	
R6005	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K		X501	VSX0637	CRYSTAL OSCILLATOR	1	
R6006~10		M. RESISTOR CH 1/16W 0		X6002	VSX0883	CRYSTAL OSCILLATOR	1	
R6011	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K					1	
						The second secon	1	
R6012	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K			VEDOGREO	TEST DING	1	(RTL)
R6013	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K		■ E10	VEP86258A	TEST PLUG		WIT.
R6014	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K					-	
R6015	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M 1		ļ			-	
R6016	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K 1		C6601	ECAOJM102	E. CAPACITOR 6.3V 1000U	1	
R6017.	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K 1					L	
	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		D6601	MA142WK	DIODE	1	
R6018								
R6018	FR. JOSEVANOA	IN KESISIUK CH 1/IBM 13 1						
R6018 R6019	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0 1						

Dec M-	Part No.	Part Name & Description	Par	Remarks	Ref. No.	Part No.	Part Name & Description	Pc.	Remarks
Ref. No.		CONNECTOR (FEMALE)	PCS	Kemarks	C522		C. CAPACITOR CH 16V 0. 1U	1	Nomice RG
P8601			<del>  '</del>		C523		C. CAPACITOR CH 10V 0, 22U	1	<del> </del>
P6602	VJS3791B026	CONNECTOR (FEMALE)	'		-			-	,
P6603	VJP1923T	CONNECTOR (MALE)	1		C524		C. CAPACITOR CH 10V 1U	-	
P6604	VJP3969A009	CONNECTOR (MALE)	1		C525-27	ECUX1C104ZFV	C. CAPACITOR CH 16V O. 1U	3	
P6605	VJP1597T	CONNECTOR (MALE) 4P	1		C528	ECUX1A105ZFV	C. CAPACITOR CH 10V 1U	_1	
P6606	VJS2889A026	CONNECTOR (FEMALE)	1		C529	ECUX1A224KBV	G. CAPACITOR CH 10V 0, 22U	1	
	VJS2889A014	CONNECTOR (FEMALE)	1		C530-45		C. CAPACITOR CH 16V O. 1U	16	
P6607	4032003AU14	COMMEDIUM (FEMALE)	+ :		C546	-	C. CAPACITOR CH 10V 0. 22U	1	
	<del></del>		-					H:	<del> </del>
	L	1	_		C547		C. CAPACITOR CH 10V 1U	-	ļ
₩ E11	VEPOOY55A	EVR FLEXIBLE P. C. BOARD	1	(RTL)	C548, 49	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
					C550-58	ECUX1H103ZFV	C. CAPACITOR CH 50V 0. 01U	١	
	+		T		C559	ECSTOJX476Z	T. GAPACITOR CH6. 3V 47U	1	
	W102001	CONNECTOR (FEMALE)	- 1		C560	ECSTOJY475Z	T. CAPACITOR CH6. 3V 4. 7U	1	1
P3	VJS3961	CONNECTOR (PEMALE)	1				C. CAPACITOR CH 16V O. 1U		
			1		C561			-	<del></del>
			_		C562	-	C. CAPACITOR CH SOV 6P	'	
■ E12	VEP22251A	SENSOR P. C. BOARD	1	(RTL)	C563	ECUX1H100CCV	C. GAPACITOR CH 50V 10P	_1	
			T		C564	ECUX1H12OJCV	G. CAPACITOR CH 50V 12P	1	
	+	<del> </del>	+-		C565	EGUX1H06OCCV	C. CAPACITOR CH 50V 6P	1	
	-		+-					1	<del> </del>
C102	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	11		C566		C. CAPACITOR CH 50V 10P	-	<del> </del>
C103	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1		C567	ECUX1H12OJCV	G. CAPACITOR CH 50V 12P	1	1
C104	ECSTOJX476Z	T. CAPACITOR CH6. 3V 47U	1		C568	ECUX1H06OCCV	C. CAPACITOR CH 50V 6P	1	
C105	ECUM1C224ZFV		1		C569	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1	
			+ :			EGUX1H12OJCV	C. CAPACITOR CH 50V 12P		<u>                                     </u>
C107	ECUM1C105ZFN	G. CAPACITOR CH 16V 1U	↓ ¹		C570			Η'	
C109	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1		C572, 73	-	C. CAPACITOR CH 16V 0. 1U	2	
C111	ECUX1C104ZFV	C. CAPACITOR CH 16V 0. 1U	1		C585	ECST1AY106Z	T. CAPACITOR CH 10V. 10U	1	
C112	ECUX1H130GCV		1		C586	ECUX1A105ZFV	C. CAPACITOR CH 10V 1U	1	
			+ '					+	<del></del>
C113	ECUX1H160GCV		1 1		C589	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	-	
C114	ECUX1H100CCV	C. CAPACITOR CH 50V 10P	1					L	
C115	ECUX1A105ZFV	C. CAPACITOR CH 10V 1U	1		D101	MA121	DIODE	1	
C116	ECUX1C104KBV	C. CAPACITOR CH 16V 0. 1U	1		D102-05	188355	DIODE	1	
			+	<del> </del>	D106	MA728	DIODE	1	
C117	ECSTOJX476Z		1-			-		-	
C118	ECUX1A105ZFV	C. CAPACITOR CH 10V 1U	1		D107	188355	DIODE	1	
C119	ECUM1A105KBN	C. CAPACITOR CH 10V 1U	1	1	D109	188355	DIODE	_1	
G120	ECUX1C104ZFV	C, CAPACITOR CH 16V 0.1U	1		0502-05	1\$5355	DIODE	1	1
	ECUM1A105KBN		1-			1		1	
C123			+-:		FI 501 00	14 54470	ELL TED	1	
C124	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1		FL501-03	VLF1173	FILTER	1-	1
C125, 26	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	2					_	
C127, 28	ECUX1C104ZFV	C. CAPACITOR CH 16V D. 1U	1 2		10101	NJM2902V	10	1	1
C129	ECST1DY475Z	T. CAPACITOR CH 20V 4. 7U	1-		10102	TC7SHUO4FU	10	1	
			1		10103	AN2018S	10	1	<del> </del>
C130	ECST1VX155Z	T. CAPACITOR CH 35V 1.5U	1					-	
C131	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		10104	TC7SH08FU	10	$\perp$ 1	
C132	ECST1CY685Z	T. CAPACITOR CH 16V 6. 8U	1	1	10105	AN2018S	IC	1	
C133	ECSTOJY156Z	T. CAPACITOR CH6. 3V 15U	1		10106	MN5236	10	1	
	ECUX1C104KBV		1		10107, 08	M887882PFV	IC	1 2	
C134			+			-		1	
C135	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1		10109	T74VHC04FS	10	<u> </u> '	<u>'</u>
C136	ECUX1C104KBV	C. CAPACITOR CH 16V 0. 1U	1	}J	10110	TC7SH04FU	10	_1	'I
C137	ECSTOJY158Z	T. CAPACITOR CH6. 3V 15U	1		10111	TC7SH08FU	10	1	
C138		C. CAPACITOR CH SOV 10P			10112	TC7SH04FU	10	1	
			+						<del> </del>
C139	ECUX1C104ZFV	<del></del>	1		10113	AN2018S	I C	1	
C140	ECUM1C224KBN	C. CAPACITOR CH 16V 0. 22U	11		10114	TC7SH32FU	10	_1	
C142	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		10504	UPC2391GB	10 .	1	<u></u>
C143-45		C. CAPACITOR CH 16V 0.1U	1		10505	TA75W01FU	10	1	
			+		10506	AK6480HF	10		<del></del>
C146	ECSTOJD157Z	E. CAPACITOR CH6. 3V 150U	+ '					<u> </u>	<del></del>
C147	EGUX1C104ZFV		1		10507	MB88344PFV	IC	_1	
C148	ECSTOJD157Z	E. CAPACITOR CH6. 3V 150U	1		10508	RN5RG46AA	10	$L^{1}$	<u> </u>
C149	ECUX1C104ZFV	C. CAPACITOR CH 16V 0. 1U	1					1	1
	ECSTOJD157Z	E. CAPACITOR CH6. 3V 150U	1		L102	ELJPC100KB	COIL 10UH	1	
C150			+-	<del> </del>				1	<del> </del>
C151	ECUX1C104ZFV		1	ļ[	L103	ELJPC6R8KF	COIL 6. BUH	-	<del> </del>
C152	ECUX1H27OJCV	C. CAPACITOR CH 50V 27P	1		L104, 05	VLF1144A102	FILTER	2	
C153	ECST1CY685Z	T. CAPACITOR CH 16V 6.8U	1		L106-08	ELJPC6R8KF	COIL 6. 8UH	3	1
C154		C. CAPACITOR CH 16V 1U	1		L109-11	VL00319K101	COIL 100UH	3	
			+	<b>-</b>	L112	ELJPC6R8KF	COIL 6. SUH	٠,	
C155	ECUX1C104ZFV		+-					<del>  '</del>	
C158	ECUX1C104ZFV	G. GAPACITOR CH 16V O. 1U	1		L113	VLP0154	COIL	1	
C159	ECUX1H270JCV	C. CAPACITOR CH 50V 27P	1		L114	VLQ0319K330	COIL ·	_ 1	
C161	ECUX1C104ZFV		1		L501	ELJPC150KF	COIL 15UH	1	
		<del></del>	+	<del> </del>	L507	VLQ0319M6R8	COIL 6. BUH	1	
	JEGOVIHIOI JCA	C. CAPACITOR CH 50V 100P	+ '	ļ				<u> </u>	<del> </del>
C162		C. CAPACITOR CH 50V 0. 022U	11		L508-10	ELJFC220JB	COIL 22UH	3	<b> </b>
C162				1	L512	ELJPC150KF	COIL 15UH	1	L
C162 C163 C500		T. CAPACITOR CH6. 3V 47U	1			VLQ0319M6R8	COIL 6. SUH	_	
C162 C163 G500	ECUX1H223ZFV ECSTOJX476Z	T. CAPACITOR CH6. 3V 47U			L513			1	1
C162 C163 G500 C501	ECUX1H223ZFV ECSTOJX476Z ECUN1C105ZFN	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U	1		L513	VEGOS 1 SMORO	0.0011	1	
C162 C163 G500 C501 C504	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z	T. CAPACITOR CH6, 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U	1						
C162 C163 G500 C501	ECUX1H223ZFV ECSTOJX476Z ECUN1C105ZFN	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U	1 1		L513 PP101	VJP2962A026	CONNECTOR (MALE)	1	
C162 C163 G500 C501 C504 C506	EGUX1H223ZFV EGSTOJX476Z EGUM1G105ZFN EGST1AY106Z EGST0GY226Z	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U	1						
C162 C163 C500 C501 C504 C506 C510-12	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z ECST0GY226Z ECUX1H100CCV	T. CAPACITOR CH6, 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U C. CAPACITOR CH 50V 10P	1 1		PP101	VJP2962A026	CONNECTOR (MALE)	1	
C162 C163 C500 C501 C504 C506 C510-12 C513-15	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z ECST0GY226Z ECUX1H100CCV ECUX1H390JCV	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U C. CAPACITOR CH 50V 10P C. CAPACITOR CH 50V 39P	1 1		PP101 PP501	VJP2962A026 VJP3681B044	CONNECTOR (MALE) CONNECTOR (MALE)	1	
C162 C163 C500 C501 C504 C506 C510-12 C513-15 C516-20	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z ECST0GY226Z ECUX1H100CCV ECUX1H390JCV ECUX1C104ZFV	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U C. CAPACITOR CH 50V 10P C. CAPACITOR CH 50V 39P C. CAPACITOR CH 16V 0. 1U	1 1		PP101 PP501	VJP2962A026 VJP3681B044 2S03930	CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR	1	
C162 C163 C500 C501 C504 C506 C510-12 C513-15	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z ECST0GY226Z ECUX1H100CCV ECUX1H390JCV	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U C. CAPACITOR CH 50V 10P C. CAPACITOR CH 50V 39P	1 1		PP101 PP501	VJP2962A026 VJP3681B044	CONNECTOR (MALE) CONNECTOR (MALE)	1	
C162 C163 C500 C501 C504 C506 C510-12 C513-15 C516-20	ECUX1H223ZFV ECSTOJX476Z ECUM1C105ZFN ECST1AY106Z ECST0GY226Z ECUX1H100CCV ECUX1H390JCV ECUX1C104ZFV	T. CAPACITOR CH6. 3V 47U C. CAPACITOR CH 16V 1U T. CAPACITOR CH 10V 10U T. CAPACITOR CH 4V 22U C. CAPACITOR CH 50V 10P C. CAPACITOR CH 50V 39P C. CAPACITOR CH 16V 0. 1U	1 1		PP101 PP501	VJP2962A026 VJP3681B044 2S03930	CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description P		Ref. No.	Part No.	Part Name & Description	_	Remarks
104	XP4601	TRANSISTOR-RESISTOR	1	R532	ERJ3GEYG103	M. RESISTOR CH 1/16W 10K	1	
105, 06	2803930	TRANSISTOR	2	R533, 34	ERJ3GEYG513	M. RESISTOR CH 1/16W 51K	2	
107	XP4654	TRANSISTOR-RESISTOR	1	R535	ERJ3GEYG103	M. RESISTOR CH 1/16W 10K	1	
2501-03	2SB1462	TRANSISTOR	3	R536	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	
3504	2SB1073	TRANSISTOR TRANSISTOR	1	R537, 38	ERJ2GEJ152 ERJ2RHD203	M. RESISTOR CH 2W 1.5K	1	
3505	2SB970X XP4601	TRANSISTOR-RESISTOR	1	R540, 41	ERJ2RHD104	M. RESISTOR CH 2W 100K	2	
2506	XP4601	TRANSISTOR RESISTOR	1	R542	ERJ2RHD683	M. RESISTOR CH 2W 68K	1	, , ,
R101	ERJ2GEJ105	M. RESISTOR CH 2W IM	1	R549	ERJ2GEJ100	M. RESISTOR CH 2W 10	1	
R102	ERJ2GEJ222	M. RESISTOR CH 2W 2.2K	1	R550	ERJ2GEJ222	M. RESISTOR CH 2W 2.2K	1	)
R103, 04	ERJ2GEJ105	M. RESISTOR CH 2W 1M	2	R551	ERJ2GEJ104	M. RESISTOR CH 2W 100K	. 1	1
R105	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	R552, 53	ERJ2GEJ560	M. RESISTOR CH 2W 56	2	to to
R106	ERJ3GEYG753	M. RESISTOR CH 1/16W 75K	1	R554	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	
R107	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	R555	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R108, 09	ERJ2GEJ184	M. RESISTOR CH 2W 180K	2	R556	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	
R110	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	R557	ERJ2GEJ392	M. RESISTOR CH 2W 3.9K	1	
R111	ERJ2GEJ273	M. RESISTOR CH 2W 27K	1	R558	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R112	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1	R559	ERJ2GEJ392	M. RESISTOR CH 2W 3.9K	1	
R113	ERJ2GEJ101	M. RESISTOR CH 2W 100	1	R560-62	ERJ2GEJ103	M. RESISTOR CH 2W 10K	, 3	
R114, 15	ERJ2GEOROO	M. RESISTOR CH 2W 0	2	R563-65	ERJ2GEJ153	M. RESISTOR CH 2W 15K	3	
R116	ERJ2GEJ681	M. RESISTOR CH 2W 680	1	R566	ERJ2GEJ392	M. RESISTOR CH 2W 3. 9K	1	
R117, 18	ERJ2GEJ331	M. RESISTOR CH 2W 330	2	R567	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
R119	ERJ2GEJ105	M. RESISTOR CH 2W 1M	1	R568	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R120	ERJ2GEJ332	M. RESISTOR CH 2W 3.3K	1	R569	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
R121	ERJ2GEJ101	M. RESISTOR CH 2W 100	1	R570	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R122	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	R571	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
R123	ERJ3GEYG332	M. RESISTOR CH 1/16W 3. 3K	1	R572	ERJ2GEJ103	M. RESISTOR CH 2W 10K	_1	
R124	ERJ2GEJ273	M. RESISTOR CH ZW 27K	1	R573-75	ERJ2GEJ392	M. RESISTOR CH 2W 3.9K	3	
R125	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	R576	ERJ2GEJ822	M. RESISTOR CH 2W 8.2K	1	
R126	ERJ2GEJ391	M. RESISTOR CH 2W 390	1	R577	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R127	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	R578	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1	
R128	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1	R579	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
R129	ERJ2GEJ332	M. RESISTOR CH 2W 3.3K	1	R580	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1	
R130	ERJ2GEJ183	M. RESISTOR CH 2W 18K	1	R581	ERJ2GEJ560	M. RESISTOR CH 2W 56	1	
R131	ERJ2GEOROO	M. RESISTOR CH 2W 0	1	R582	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	
R132	ERJ2GEJ333	M. RESISTOR CH 2W 33K	1	R583	ERJ2GEJ222	M. RESISTOR CH 2W 2.2K	1	
R133	ERJ2GEJ152	M, RESISTOR CH 2W 1.5K	1	R584	ERJ2GEOROO	M. RESISTOR CH 2W O	1	
R134	ERJ2GEJ332	M. RESISTOR CH 2W 3.3K	1					
R135	ERJ2GEJ224	M. RESISTOR CH 2W 220K	1	W101	ERJ2GEOROO	M. RESISTOR CH 2W 0	1	
R136	ERJ2GEJ272	M. RESISTOR CH 2W 2.7K	1	W105, 06	ERJ2GEOROO	M. RESISTOR CH 2W 0	2	r
R137	ERJ2GEJ472	M. RESISTOR CH 2W 4.7K	1	W110-12	ERJ2GEOROO	M. RESISTOR CH 2W 0	3	
R138, 39	ERJ2GEJ104	M. RESISTOR CH 2W 100K	2					
R140	ERJ2GEJ184	M. RESISTOR CH 2W 180K	1	X101	VSX0819	CRYSTAL OSCILLATOR	1	
R141	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1					
R142	ERJ2GEJ105	M. RESISTOR CH 2W IM	1			MISCELLANEOUS		
R145	ERJ2GEJ332	M. RESISTOR CH 2W 3.3K	1					
R146	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1		VSC4220	SHIELD CASE (UPPER)	1	
R147	ERJ2GEJ101	M. RESISTOR CH 2W 100	1		VSC4221	SHIELD CASE (LOWER)	1	
R148-53	ERJ2GEJ330	M. RESISTOR CH 2W 33	6		VMZ2539	BARRIER	1	
R154	ERJ2GEJ111	M. RESISTOR CH 2W 75K	1					
R501~06	ERJ2GEJ331	M. RESISTOR CH 2W 330	6					
R507	ERJ2GEJ392	M. RESISTOR CH 2W 3. 9K	1	■ E13	VEP23422A	PROCESS P. C. BOARD	1	(RTL)
R508	ERJ2GEJ272	M. RESISTOR CH 2W 2.7K	1				Г	***************************************
R509	ERJ2GEJ182	M. RESISTOR CH 2W 1.8K	1					
R510	ERJ2GEJ272	M. RESISTOR CH 2W 2.7K	1	C301	ECSTOJY156Z	T. CAPACITOR CH6. 3V 15U	1	
R511	ERJ2GEJ182	M. RESISTOR CH 2W 1.8K	1	0302		C. CAPACITOR CH 16V 0.1U	1	
R512	ERJ2GEJ272	M. RESISTOR CH 2W 2.7K	1	0303	ECSTOJY156Z	T. CAPACITOR CH8. 3V 15U	1	
R513	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1	C304		C. CAPACITOR CH 50V 150P	1	
R514	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	0305	ECSTOGY226Z	T. CAPACITOR CH 4V 22U	1	
R515	ERJ2GEJ681	M. RESISTOR CH 2W 680	1:	0306	ECSTOJY156Z	T. CAPACITOR CH6. 3V 15U	1	
R516	ERJ2RHD333	M. RESISTOR CH 2W 33K	1	C307-10	-		4	
R517	ERJ2RHD132	M. RESISTOR CH 2W 1.3K	1	0311, 12	ECSTOJY156Z	T. CAPACITOR CH6. 3V 15U	2	-
R518	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	0313-16			4	
R519	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1	0317	ECSTOJX476Z	T. CAPACITOR CH6. 3V 47U	1	
R520, 21	ERJ2GEJ681	M. RESISTOR CH 2W 680	2	C318, 19	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
R520, 21	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1	C320	ECST1AY106Z	T. CAPACITOR CH 10V 10U	1	
	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	C321, 22			2	
R523	ERJ3GEYG103	M. RESISTOR CH 1/16W 10K	1	G323	ECSTOJX476Z	T. CAPACITOR CH6. 3V 47U	1	
R524		M. RESISTOR CH 1/16W 51K	1	0324, 25	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
R525	ERJ3GEYG513		1	C326, 27	ECSTOJX476Z	T. CAPACITOR CH6. 3V 47U	2	
R526	ERJ2GEJ102		1	C328-38	EGUX1C104ZFV	C. CAPACITOR CH 16V .O. 1U	11	
R527	ERJ2GEJ681	M. RESISTOR CH 2W 680	1	C339, 40	ECSTOGY226Z	T. CAPACITOR CH 4V 22U	2	
R528	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	C341, 42	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	
	ERJ2GEJ681	M. RESISTOR CH 2W 680	1	0341, 42	EGSTOJX476Z	T. CAPACITOR CH6. 3V 47U	1	
R529	Em 10 am 1:	M. RESISTOR CH 2W 1K	1	0040	F00100V410V	1. UNF NOT TOK OHO. SV 4/0	- 1	
R529 R530 R531	ERJ2GEJ102 ERJ2GEJ681	M. RESISTOR CH 2W 680	1	0344	ECUX1H050CCV	C. CAPACITOR CH 50V 5P	4	

				D 0 11	T. D. W.	D. V. V. O. D. V. I.	_	2
Ref. No.	Part No.	Part Name & Description		Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C345		C. CAPACITOR CH 50V 3300P	1	L308	ELJPC6R8KF	COIL 6. BUH	'	
0346	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1	L309	VLQ0319M6R8	COIL 6, 8UH	_1	
0347	ECSTOGY226Z	T. CAPACITOR CH 4V 22U	1	L310-12	VLP0154	COIL	3	
C348	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1	L313-15	ELJPC6R8KF	COIL 6. BUH	3	
C349	ECUX1H050CCV	C. CAPACITOR CH SOV 5P	1	L317-19	VLP0154	COIL	3	
C350	ECUX1C104ZFV	G. CAPACITOR CH 16V 0. 1U	1	L320	ELJPC6R8KF	COIL 6. 8UH	1	
G351	ECUX1H223ZFV	C. CAPACITOR CH 50V 0, 022U	1	L321, 22	VLQ0319K101	CO1L 100UH	2	
		C. CAPACITOR CH 16V 0. 47U	1	L323	ELJNA1R5JF	COIL 1.5UH	1	
G352			1	L324-27	VLP0154	COIL		
C353		C. CAPACITOR CH 16V 0. 1U					1	
G354		C, CAPACITOR CH 50V 6P	1	L330	VLQ0319M6RB	COIL 6. SUH	<b>!</b>	
C355-57	ECUX1H223ZFV	G. CAPAGITOR CH 50V 0, 022U	3	L701	ELJPC6R8KF	COIL 6. BUH	1	
C358	ECSTOJX476Z	T. CAPACITOR CH8. 3V 47U	1	L702	ELJPC220KF	COIL 22UH	1	
C359	ECUX1H08OCCV	C. CAPACITOR CH SOV 8P	1	L703, 04	ELJPC6R8KF	COIL 6. SUH	2	
C361	ECUX10104ZFV	C. CAPACITOR CH 16V 0. 1U	1	L705	VLQ0319F150	COIL	1	
0701	ECUX1C104ZFV	C, CAPACITOR CH 16V 0.1U	1	L708	ELJPC150KF	COIL 15UH	1	
	ECSTOJX476Z	T, CAPACITOR CH6. 3V 47U	1	L707	VLQ0319K331	COIL 330UH	1	
0702			4	1	1	1	-	
C703	ECST1AY106Z	T. CAPACITOR CH 10V 10U		00704	V IDDOA ADODA	ODMINICATOR (MALE)	1	
C704	ECSTOJY106Z	T. CAPACITOR CH6. 3V 10U	1	PP701	VJP3644B034	CONNECTOR (MALE)	<u>'</u>	
C709	ECUX1H332KBV	C. CAPACITOR CH 50V 3300P	1]				_	
0711	ECST1AY106Z	T. CAPACITOR CH 10V 10U	1	PS301	VJS3683A044	CONNECTOR (FEMALE)	1	
0712	ECSTOJY108Z	T. CAPACITOR CH6. 3V 10U	1					
C713	ECUMIHIO4ZFN	C. CAPACITOR CH 50V 0.1U	1	9704	XP4501	TRANSISTOR-RESISTOR	1	
C714, 15	ECUX1C104ZFV	C. CAPACITOR CH 16V 0. 1U	2					
	ECSTOJY106Z	T. CAPACITOR CH6. 3V 10U		QR701	XP1211	TRANSISTOR-RESISTOR	. 1	
C716		C. CAPACITOR CH 16V 0. 22U		-	1		<u> </u>	
0717	ECUM1C224ZFV		1	P201 00	ERJ2GEJ103	M. RESISTOR CH 2W 10K	2	<del> </del>
C718	ECEVICA470P	E. CAPACITOR CH 16V 47U		R301, 02			-	
C719	ECUX18103ZFV	C. CAPACITOR CH 50V 0. 01U	1	R303	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1	
C720	ECUMTATO5KBN	C. CAPACITOR CH 10V 1U	1 .	R304	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
0721	ECUX1H102KBV	C. CAPACITOR CH SOV 1000P	1	R305-07	ERJ2GEJ333	M. RESISTOR CH 2W 33K	3	
C724, 25	ECUX1H103ZFV	G. CAPACITOR CH SOV O. DIU	2	R308	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
C726	ECUX1C104ZFV	C. CAPACITOR CH 16V 0. 1U	1	R309, 10	ERJ2GEJ333	M. RESISTOR CH 2W 33K	2	
	ECSTOJY106Z	T. CAPACITOR CH6. 3V 10U	1	R311	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
6727	-	C, CAPACITOR CH 16V 0. 1U	1	R312	ERJ2GEJ333	M. RESISTOR CH 2W 33K	1	
C728	ECUX1C104ZFV				ERJ2GEOROO	M. RESISTOR CH 2W O	2	
C729	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U		R313, 14	-		3	
C730	ECUX1C104ZFV	C. CAPACITOR CH 16V O. 1U	-14	R315-17	ERJ2GEJ392	M. RESISTOR CH 2W 3. 9K	-	<del></del>
C731	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1	R320	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
C732	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	1	R322, 23	ERJ2GEJ103	M. RESISTOR CH 2W 10K	2	
C733	ECUX1H102KBV	C. CAPACITOR CH 50V 1000P	1	R328	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
C734, 35	ECUX1C104ZFV	C. CAPACITOR CH 16V 0.1U	2	R330	ERJ2GEJ472	M. RESISTOR CH 2W 4.7K	1	
C736	ECUX1H223ZFV	C. CAPACITOR CH SOV 0, 022U	1	R331, 32	ERJ2GEJ102	M. RESISTOR CH 2W 1K	2	
	ECUX1C104ZFV	C, CAPACITOR CH 16V 0. 1U	1	R333	ERJ2GEJ222	M. RESISTOR CH 2W 2.2K	1	
C741			1	R334	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
C742	ECUM1C105ZFN	C. GAPACITOR CH 16V 1U		l <b>!</b>			<del>  ;</del>	<del></del>
	1			R335	ERJ2GEJ123		<u> </u>	
D301	1SS355	DIODE	1	R336	ERJ2GEOROO	W. RESISTOR CH 2W D	1	<u> </u>
				R337	ERJ2GEJ221	M. RESISTOR CH 2W 220	<u>_'</u>	
FP301	VJS33208026	CONNECTOR (FEMALE)	1	R338	ERJ2GEJ102	M. RESISTOR CH 2W 1K	_1	
FP302	VJS3320B040	CONNECTOR (FEMALE)	1	R339, 40	ERJ2GEJ101	M. RESISTOR CH 2W 100	2	
FP303	VJS33208020	CONNECTOR (FEMALE)	1	R341, 42	ERJ2GEJ102	M. RESISTOR CH 2W 1K	2	
FP304	VJS3320B014	CONNECTOR (FEMALE)	1	R345	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	
		CONNECTOR (FEMALE)	1	R354, 55	ERJ2GEJ103	M. RESISTOR CH 2W 10K	2	
FP305	VJS3452A013		1	R356, 57	ERJ2GEJ102	M. RESISTOR CH 2W 1K	2	
FP701	VJS2960A024	CONNECTOR (FEMALE)				-	1	
				R358	ERJ2GEJ101	M. RESISTOR CH 2W 100	-	
10301	XC61AN2712M	10	1	R371-73	ERJ2GEJ331	M. RESISTOR CH 2W 330	3	
10302	MN1020701M8J	10	_1	R378	ERJ2GEJ331	M. RESISTOR CH 2W 330	$\vdash$	
10303	UPC2384GA	IC	1	R379-83	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	5	<u></u>
10304	MN67344A1	IC	1	R384, 85	ERJ2GEJ101	M. RESISTOR CH 2W 100	2	
10305	WN67343A2	IC	1	R386	ERJ2GEOROO	M. RESISTOR CH 2W 0	1	
10306, 07	-	ic	2	R387, 88	ERJ2GEJ101	M. RESISTOR CH 2W 100	2	
10308, 07	TA75W01FU	ic		R701	ERJ2GEJ152	M. RESISTOR CH 2W 1.5K	1	
		10	3	R702	ERJ2GEJ224	M. RESISTOR CH 2W 220K	i	
10309-11	MN65761					M. RESISTOR CH 2W 82K	H	
16312	LZ9GA11	10		R703	ERJ2GEJ823		۲-	
10313	TC7SH08FU	10	1	R704, 05	ERJ3GEYG303	M. RESISTOR CH 1/16W 30K	2	
IC316	XC62AP2502M	IC	1	R706, 07	ERJ3GEYJ3R3	M. RESISTOR CH 1/16W 3.3	2	
10317	TC4S584F	10	1	R708	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	
10701	TC4S584F	IC	1	R709	ERJ3GEYG123	M. RESISTOR CH 1/16W 12K	_ 1	
10702	LB1830M	10	1	R710	ERJ2GEJ103	M. RESISTOR CH 2W 10K	٦	
10702	TB8512AF	IC	1	R711	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1	
		ic		R712	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
10704	TA75W01FU		1		-	<del></del>	,	
10705	TC9074F	IC		R713	ERJ2GEJ103		1	<del> </del>
10706, 07	NJM2902V	10	2	R714	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	_1	<u> </u>
10708	MN188242198K	IC	1	R715	ERJ2GEJ104	M. RESISTOR CH 2W 100K	1	
				R716	ERJ2GEJ472	M. RESISTOR CH 2W 4.7K	1	
	VLQ0319M6R8	COIL 6. SUH	1	R717	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	
L301		COIL 6. BUH	3	R718	ERJ2GEJ225	M. RESISTOR CH 2W 2.2M	1	
L301	FLJPC6R8KF				-		_	
L303-05	ELJPC6R8KF		2	P710	ERJ2GEORGO	M. RESISTOR CH 2W O	1	
	VLQ0319K330	COIL	2	R719	ERJ2GEOROO	M. RESISTOR CH 2W O	1	

#### VEP80A32A VEP00U25B VEP86143B VEP80A15A VEP80A16A

Ref. No.		D . V . A D	,		£ 11	Dec 1	Dont None 9 December 1	D -	D
	Part No.	Part Name & Description			f. No.	Part No.	Part Name & Description		
	ERJ2GEJ222	M. RESISTOR CH 2W 2.2K	_1	W32		ERJ2GEOROO	M. RESISTOR CH 2W 0	1	The state of the s
R722	ERJ2GEJ183	M. RESISTOR CH 2W 18K	1	W7C	)5	ERJ2GEOROO	M. RESISTOR CH 2W 0	1	
R723 E	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1						
R724	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1	ХЗС	01	EF0S1005E5	CERAMIC RESONATOR	1	
R725 E	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	X70	01	EF0S1205E5	CERAMIC RESONATOR	1	
	ERJ3GEYG122	M. RESISTOR CH 1/16W 1.2K	1						
	ERJ2GEJ223	M. RESISTOR CH 2W 22K	1						
	ERJ2GEJ683	M. RESISTOR CH 2W 68K	1		E14	VEP80A32A	ATW SENSOR P. C. BOARD	1	(RTL)
			1		2,17	VET GONDEN	ATTE SELECTION 1. S. SOULE		W.1-2/
	ERJ2GEJ183		- 1						
R730	ERJ2GEJ682	M. RESISTOR CH 2W 6.8K	1						
R731	ERJ2GEJ683	M. RESISTOR CH 2W 68K	1	01		ECSTOJY106Z	T. CAPACITOR CH6. 3V 10U	_1	
R732	ERJ2GEJ563	M. RESISTOR CH 2W 56K	1	C2		ECSTOJY475Z	T. CAPACITOR CH6. 3V 4. 7U	1	
R733	ERJ2GEJ224	M. RESISTOR CH 2W 220K	1	C3		ECUM1C104KBN	C. CAPACITOR CH 16V O. 1U	_1	
R734, 35	ERJ2GEJ123	M. RESISTOR CH 2W 12K	2						
	ERJ2GEJ474	M. RESISTOR CH 2W 470K	1	101	i	M52944FP	10	1	
	ERJ2GEJ394	M. RESISTOR CH 2W 390K	1						
			1	Li		VLQ0464	COIL	1	
	ERJ2GEJ183	M. RESISTOR CH 2W 18K	-			45.00404	OUIL	•	
R740	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1					_	
R741	ERJ2GEJ563	M. RESISTOR CH 2W 56K	1	P1		VJS3452A014	CONNECTOR (FEMALE)	1	
R742	ERJ2GEJ393	M. RESISTOR CH - 2W 39K	_1						
	ERJ2GEJ822	M. RESISTOR CH 2W 8.2K	1	01		UN2212	TRANSISTOR-RESISTOR	1	
	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1						
	ERJ2GEJ333	M. RESISTOR CH 2W 33K	1	R1		ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
			1			12.5.00		Ť	
	ERJ2GEJ682		'				MI COCI I ANEOUS		
	ERJ2GEJ103	M. RESISTOR CH 2W 10K	2				MISCELLANEOUS	_	
R749	ERJ3GEYG103	M. RESISTOR CH 1/16W 10K	1.						
R750	ERJ3GEYG303	M. RESISTOR CH 1/16W 30K	1			VGQ3310	IR PLATE HOLDER	_1	
	ERJ2GEJ154	M. RESISTOR CH 2W 150K	1			VGQ3308	IR PLATE SPACER	1	
	ERJ3GEYJ181	M. RESISTOR CH 1/16W 180	1			VDL0397	IR CUT FILTER	1	
		M. RESISTOR CH 2W 0	1						
	ERJ2GEOROO			<u> </u>				-	
	ERJ2GEJ152	M. RESISTOR CH 2W 1.5K	1				MED OTINE D. O. POLICE	_	(071)
	ERJ2GEJ333	M. RESISTOR CH 2W 33K	1		E15	VEPOOU25B	VTR START P. C. BOARD	1	(RTL)
R757	ERJ2GEJ223	M. RESISTOR CH 2W 22K	1						
R758	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1						
R759, 60	ERJ2GEJ333	M. RESISTOR CH 2W 33K	2	SW1	1	EVQQSB04B	SWITCH	- 1	
	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1						
	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1				MISCELLANEOUS	_	
								_	
	ERJ2GEJ102	M. RESISTOR CH 2W 1K	-				TOON 5 OW	_	
R769	ERJ2GEJ473	M. RESISTOR CH 2W 47K	1			VST0321	TOGGLE SW	_1	
R770-79	ERJ2GEJ102	M. RESISTOR CH 2W 1K	10						
R780	ERJ2GEOROO	M. RESISTOR CH 2W 0	1						
R781, 82	ERJ2GEJ473	M. RESISTOR CH 2W 47K	2		E16	VEP86143B	OPERATE P. C. BOARD	- 1	(RTL)
	ERJ2GEJ103	M. RESISTOR CH 2W 10K	2						
	ERJ2GEJ472	M. RESISTOR CH 2W 4.7K	1						
			2	Der	201-02	BR1102W	DIODE	3	
	ERJ2GEJ105		1		101-02	DK 1102#	DIODE	_	
R788	ERJ2GEJ102	M. RESISTOR CH 2W 1K	1						
R789	ERJ2GEOROO	M. RESISTOR CH 2W 0	1	P50	31	VJP3125B010	CONNECTOR (MALE)	1	
R790	ERJ2GEJ153	M. RESISTOR CH 2W 15K	1						
	ERJ2GEJ103	M. RESISTOR CH 2W 10K	1	SWE	6001-05	EVQPHB03T	SWITCH	5	
	ERJ2GEOROO	M. RESISTOR CH 2W 0	7						
		M. RESISTOR CH 2W 0	-						
	ERJ2GEOROO		1		E17	VEP80A15A	TOGGLE SW P. C. BOARD	1	(RTL)
	ERJ2GEJ102	M. RESISTOR CH 2W 1K	.1		E17	VEPOUATOA	TOUGLE ON F. U. DUARD	1	(IVIE)
R806	ERJ2GEJ332	M. RESISTOR CH 2W 3.3K	1					_	
			-						
RA301-03	EXB24V103J	COMBI. R-R 10K	3	J1		ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1	
	EXB24V103J EXB24V101J	COMBI. R-R 10K	3	JI JI		ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	1	
RA304-11	EXB24V101J	COMBI. R-R 100	-	J1	300	ERJ6GEYOROO VJP1610T	M. RESISTOR CH 1/10W 0  CONNECTOR (MALE)	1	
RA304-11 RA312	EXB24V101J EXB24V103J	COMB1. R-R 100 COMB1. R-R 10K	8		300				
RA304-11 RA312 RA313, 14	EXB24V101J EXB24V103J EXB24V331J	COMBJ. R-R         100           COMBJ. R-R         10K           COMBJ. R-R         330	8 1 2	P93		VJP1610T	CONNECTOR (MALE)	1	
RA304-11 RA312 RA313, 14 RA315, 16	EXB24V101J EXB24V103J EXB24V331J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100	8 1 2 2	P90 SWE	9300, 01	VJP1610T VST0188	CONNECTOR (MALE)	1 2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100	8 1 2 2	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187	CONNECTOR (MALE) SWITCH	2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317	EXB24V101J EXB24V103J EXB24V331J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100	8 1 2 2	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188	CONNECTOR (MALE)	1 2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100	8 1 2 2	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187	CONNECTOR (MALE) SWITCH	2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V102J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10K	8 1 2 2 1 6	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187	CONNECTOR (MALE) SWITCH	2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA323-35	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V102J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 1K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K	8 1 2 2 1 6 2 3	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187	CONNECTOR (MALE) SWITCH SWITCH SWITCH	2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V102J EXB24V103J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K	8 1 2 2 1 6 2 3 2	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187 VST0320	CONNECTOR (MALE)  SWITCH  SWITCH  SWITCH  NISCELLANEOUS	2	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10C COMBI. R-R 10C	8 1 2 2 1 6 2 3 2	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187	CONNECTOR (MALE) SWITCH SWITCH SWITCH	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V102J EXB24V103J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1	PSG SWS SWG	9300, 01 9302	VJP1610T VST0188 VST0187 VST0320	CONNECTOR (MALE)  SWITCH  SWITCH  SWITCH  NISCELLANEOUS	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338 RA339	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10C COMBI. R-R 10C	8 1 2 2 1 6 2 3 2	PSG SWS SWG	9300, 01 9302 9303	VJP1610T VST0188 VST0187 VST0320 VMP4267	CONNECTOR (MALE) SWITCH SWITCH SWITCH MISCELLANEOUS P. C. B. HOLDER ANGLE	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338 RA339 RA340, 41	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1	P93 SW6	9300, 01 9302 9303	VJP1610T VST0188 VST0187 VST0320	CONNECTOR (MALE)  SWITCH  SWITCH  SWITCH  NISCELLANEOUS	1 2 1 1	(RTL)
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338 RA339 RA340, 41	EXB24V101J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100 COMBI. R-R 10K	8 1 2 2 1 6 2 3 2 1 1 1 2	P93 SW6	9300, 01 9302 9303	VJP1610T VST0188 VST0187 VST0320 VMP4267	CONNECTOR (MALE) SWITCH SWITCH SWITCH MISCELLANEOUS P. C. B. HOLDER ANGLE	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA324, 25 RA336, 37 RA338 RA339 RA340, 41 RA342-45	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V103J EXB24V101J EXB24V103J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C	8 11 2 2 1 6 2 3 2 1 1 1 2 4	P93 SW6	9300, 01 9302 9303	VJP1610T VST0188 VST0187 VST0320 VMP4267	CONNECTOR (MALE) SWITCH SWITCH SWITCH MISCELLANEOUS P. C. B. HOLDER ANGLE	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA336, 37 RA338 RA339 RA340, 41	EXB24V101J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J EXB24V103J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100 COMBI. R-R 10K	8 1 2 2 1 6 2 3 2 1 1 1 2	PSS SWE	9300, 01 9302 9303 E18	VJP1610T VST0188 VST0187 VST0320 VMP4267 VEP80A16A	CONNECTOR (MALE)  SNITCH SNITCH SNITCH NISCELLANEOUS  P. C. B. HOLDER ANGLE  POWER SW P. C. BOARD	1 2 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA334, 25 RA333-35 RA336, 37 RA338 RA339 RA340, 41 RA342-45	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1 1 1 2 4	P93 SW6	9300, 01 9302 9303 E18	VJP1610T VST0188 VST0187 VST0320 VMP4267	CONNECTOR (MALE) SWITCH SWITCH SWITCH MISCELLANEOUS P. C. B. HOLDER ANGLE	1 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA334, 25 RA333-35 RA336, 37 RA338 RA339 RA340, 41 RA342-45	EXB24V101J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10C COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1 1 1 2 4	PSS SWS SWS	9300, 01 9302 9303 E18	VJP1610T  VST0188  VST0187  VST0320  VMP4267  VEP80A16A	CONNECTOR (MALE)  SNITCH SNITCH SNITCH  NISCELLANEOUS  P. C. B. HOLDER ANGLE  POWER SW P. C. BOARD  CONNECTOR (MALE)	1 1 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA324, 25 RA336, 37 RA338 RA339 RA340, 41 RA342-45	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1 1 1 2 4	PSS SWS SWS	9300, 01 9302 9303 E18	VJP1610T VST0188 VST0187 VST0320 VMP4267 VEP80A16A	CONNECTOR (MALE)  SNITCH SNITCH SNITCH NISCELLANEOUS  P. C. B. HOLDER ANGLE  POWER SW P. C. BOARD	1 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA334, 25 RA338-35 RA338, 37 RA338 RA339 RA340, 41 RA342-45 TH701	EXB24V101J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10C COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C	8 1 2 2 1 6 2 3 2 1 1 1 2 4	PSS SWS SWS	9300, 01 9302 9303 E18	VJP1610T  VST0188  VST0187  VST0320  VMP4267  VEP80A16A	CONNECTOR (MALE)  SNITCH SNITCH SNITCH  NISCELLANEOUS  P. C. B. HOLDER ANGLE  POWER SW P. C. BOARD  CONNECTOR (MALE)	1 1 1 1	
RA304-11 RA312 RA313, 14 RA315, 16 RA317 RA318-23 RA324, 25 RA333-35 RA324, 25 RA338 RA324 TH701 W302 W305	EXB24V101J EXB24V103J EXB24V331J EXB24V101J EXB24V103J EXB24V103J EXB24V103J EXB24V101J EXB24V101J EXB24V103J EXB24V101J EXB24V103J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J EXB24V101J	COMBI. R-R 100 COMBI. R-R 10K COMBI. R-R 330 COMBI. R-R 100 COMBI. R-R 10C COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10K COMBI. R-R 10C COMBI.	8 1 2 2 1 6 2 3 2 1 1 2 4 1 1	PSS SWS SWS	9300, 01 9302 9303 E18	VJP1610T  VST0188  VST0187  VST0320  VMP4267  VEP80A16A	CONNECTOR (MALE)  SNITCH SNITCH SNITCH  NISCELLANEOUS  P. C. B. HOLDER ANGLE  POWER SW P. C. BOARD  CONNECTOR (MALE)	1 1 1 1	

B 6 37 1				JAZIA VEFBOZOAA V			D N O. D.	r.	D1
Ref. No.		Part Name & Description	_	Remarks	Ref. No.	Part No.	Part Name & Description	PCS	Remarks
E19 V	VEP80A17A	MODE CHECK P. C. BOARD		(RTL)	QR6501, 02	INEO12	TRANSISTOR-RESISTOR	2	
			-		QR6503	UN5211	TRANSISTOR-RESISTOR	-	
70404	V ID1 COTT	CONNECTOR (MALE)	1		QR6504	UN5213	TRANSISTOR-RESISTOR	1	
P9401	VJP1607T	CONNECTOR (MALE)	-		QR6505	UN5113	TRANSISTOR-RESISTOR	1	
	ryongonev	CWITCH	1		QR6508	UN5113	TRANSISTOR-RESISTOR	1	
SW9401	EVOOS205K	SWITCH	<del> -</del> -		QR6509	UN5213	TRANSISTOR-RESISTOR	1	
			-		410000	0.10270	THURST TOTAL	<del> </del>	
<b>T</b> 500	VEDOCA10A	MONITOR VR P. C. BOARD	1	(RTL)	R6501-04	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	4	
■ E20	VEP80A18A	MUNITUR VK P. U. BUARD	<del> </del>	(ATE)	R6505	ERJ6GEYF561	M. RESISTOR CH 1/10W 560	1	
			<del> </del>			ERJ6GEYG394	M. RESISTOR CH 1/10W 390K	3	
150000	· mv(0000	V. RESISTOR	-			ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	8	
VR9200	VRVOC80	V. RESISTOR	┝		R6517-24	ERJ6GEYG823	M. RESISTOR CH 1/10W 82K	8	
					R6525	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
ED 521	VEP80A19A	BACK UP P. C. BOARD	1	(RTL)	R6526	VRE0034E183	M. RESISTOR CH 1/10W 18K	1	
■ E21	ACLOOKIAN	DAOK OF T. O. SOUND	<del> </del>	(ATTA)	R6527	VRE0034E222	M. RESISTOR CH 1/10W 2.2K	1	
			<del> </del>		R6528	VRE0034E682	M. RESISTOR CH 1/10W 6.8K	1	
		MISCELLANEOUS	-		R6529	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
		MIGOLLEAREDCO	<del> </del>		R6530	VRE0034E104	M. RESISTOR CH 1/10W 100K	1	
	BCR20H4	BATTERY HOLDER	1		R6531	VRE0034E153	M. RESISTOR CH 1/10W 15K	1	
	DOIL WIT		Γ'		R6532, 33	VRE0034E563	M. RESISTOR CH 1/10W 56K	2	
			1		R6534	VRE0034E472	M. RESISTOR CH 1/10W 4.7K	1	
■ E22	VEP80A21A	FLEX RING P. C. BOARD	1	(RTL)	R6535	ERJ6GEYG155	M. RESISTOR CH 1/10W 1.5M	1	
- 514	JUNE IN		+		R6536	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	1	
			-		R6538	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
SW9100	EVQQS205K	SWITCH	1		R6540	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
249100	EVOUSZUOK	SHITOH	Γ.		R6542	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	1	
			-		R6543	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K		
		5 0105 B 0 50100	-	(DTI)	R6544	ERJ6GEYG682	M. REISITOR CH 1/10W 6.8K		
■ E23	VEP86264A	R SIDE P. C. BOARD	+'	(RTL)	R6545-48	ERJ14YJ100	M. RESISTOR CH 1/4W 10	+	
			-			-		-	
			+-		R6549	ERJ6GEYF822		-	
		G. CAPACITOR CH SOV 22P	2		R6550	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	-	
C6503, 04	ECUM1H150JCN	G. CAPACITOR CH 50V 15P	2		R6551	ERJ6GEYG223	M. RESISTOR CH 1/10W 22K	-	<u> </u>
C6505	ECEAOJKS470	E. CAPACITOR 6. 3V 47U	1		R6552	ERJ6GEYG102	M. RESISTOR CH 1/10W 1K	1	
C6506	ECEAOJK\$331	E. CAPACITOR 6.3V 330U	1		R6553	ERJ6GEYF473	M. RESISTOR CH 1/10W 47K	1	
G6515	ECEA1EKS220	E. CAPACITOR 25V 22U	1		R6554	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	
C6516	ECEAOJKS470	E. CAPACITOR 6.3V 47U	1		R6555	ERJ6GEYG104	M. RESISTOR CH 1/10W- 100K	1	f
C6517	ECUMTE104ZFN	C. CAPACITOR CH 25V 0. 1U	1		R6556	ERJ6GEYF124	M. RESISTOR CH 1/10W 120K	1	
C6518	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	1		R6557	ERJ6GEYG104	M. RESISTOR CH 1/10W 100K	L	
C6519	ECUMIE104ZFN	C. CAPACITOR CH 25V 0. 1U	1		R6558, 59	ERJ6GEYG103	M. RESISTOR CH 1/10W 10K	2	
C6520	ECEAOJKS331	E. CAPACITOR 6. 3V 330U	1	·				L	
C6521	ECEA1CSN4R7	E. CAPACTOR 16V 4. 7U	1		SW6501-04	EVQQSB04B	SWITCH	1	
G6522	ECEA1EKS3R3	E. CAPACITOR 25V 3. 3U	1		SW6505~07	VSS0186	SWITCH	3	).
C6524	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	1						
C6525, 26	ECEAOJKS330	E. CAPACITOR 6. 3V 33U	2		TP6501~04	EYF6CU	TEST POINT	4	:
C6527	ECEA1CKS100	E. CAPACITOR 16V 10U	1						
C6528	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	1		VR6501, 02	VRV0080	V. RESISTOR	2	
C6529	ECEAOJKS470	E. CAPACITOR 6. 3V 47U	1						
C6530	ECUX1E104KBN	C. CAPACITOR CH 25V 0. 1U	1		W53-63	ERJ6GEYOROO	M. RESISTOR CH 1/10W 0	11	
C6531	ECEA1CKS100	E. CAPACITOR 16V 10U	1						
C6532-34		C. CAPACITOR CH 25V 0. 1U	3		X6501	VSX0094C	GRYSTAL OSCILLATOR	1	
			$\vdash$		X6502	VSX0140	CRYSTAL OSCILLATOR	1	
D6501-06	MA142K	DIODE	6						
D6508	MA142K	DIODE	1						
	MA142K	DIODE	4		■ E24	VEP27086A	H-DEF P. C. BOARD	1	(RTL)
D6514	HZ16-1L	DIODE	1						
D6514	MA704	DIODE	1						
D6516	MA142K	DIODE	+		07401, 02	ECEA1AGE221	E. CAPACITOR 10V 220U	2	
D6518-22	MA142K	DIODE	5		07403	V0F0066J123	P. CAPACITOR 0. 012U	1	
D0310-22	mn Ten	W. 1-400-0	+		07404	VCF0066J332	P. CAPACITOR 3300P	1	
108501	IIDD75219DE05	lC	1		07407	ECEATHGE 101	E. CAPACITOR 50V 100U	+	
106501	UPD75316BE83	10	+		07408, 09	ECKD3A472MEH	C. CAPACITOR 1KV 4700P	2	<del></del>
106502	\$8420BF		-		07410	VCF0066J223	P. CAPACITOR 0. 022U	1	
106503	NJU7112AM	10	₩.		07414	VCF0066J223	P. CAPACITOR 1800P	1	<del> </del>
106504	S81350HG	10	1					1	<del></del>
106505	MC14013BF	10	1		C7418	VCEAOJAP330		-	
106506	MC14001BF	10	1		07417	ECEA1AGE221	E. CAPACITOR 10V 220U	1	<del> </del>
106507	MC14011BF	IC	1		-		71075	-	<del> </del>
106508, 09	MC14538BF	10	2		D7401	E011FS2	DIODE	1	<del></del>
			1		D7402	MA142K	DIODE	1	<del></del>
P6501	VJP1614T	GONNECTOR (MALE)	1		D7403	MA141K	DIODE	1	<del></del>
	VJP1607T	CONNECTOR (MALE)	1		D7404	E011F82	DIODE	1	
P6502	VJP1614T	CONNECTOR (MALE)	1		D7405	MA141K	DIODÉ	1	
P6502 P6503		Tennicores (IIII E)	1					L	
	VJP1610T	CONNECTOR (MALE)							,
P6503	VJP1610T	CONNECTOR (MALE)	<del> </del>		L7402	ELH5L220	COIL 22UH	1	<u></u>
P6503 P6504	VJP1610T 2SD968~R	TRANSISTOR	2		L7402 L7403	ELH5L220 VLQEL06F220J	COIL 22UH	1	
P6503 P6504								1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Рс	s Remarks
		COIL	1						
					L7001	VLQ0177K151	COIL 150UH	L	
		CONNECTOR (MALE)	1		L7002-04	VLQ0319M6R8	COIL 6. 8UH	Ľ	3
	VJP1232T	CONNECTOR (MALE) 5P CONNECTOR (MALE) 2P	1		D7000	V ID1507T	CONNECTOR (MALE) 4P	H.	
P7013	VJP1595T	CONNECTOR (MALE) 2P	1		P7002 P7014	VJP1597T VJP1595T	CONNECTOR (MALE) 2P	+	1
Q7402, 03	2SK1954	TRANSISTOR	2		P7014	VJP2277	CONNECTOR (MALE)	1	
Q7402, 03	2311904	117,410101	-		1.0.0			t	
R7405	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1		Q7001	2SD1819A-R	TRANSISTOR	1	1
		M. RESISTOR CH 1/16W 100	1		Q7002	2SB1218A-R	TRANSISTOR	Γ	1
	ERDS2TJ222	C. RESISTOR 1/4W 2.2K	1	`	Q7003	2SJ278	TRANSISTOR		1
R7409-11	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	3		Q7005	2SD1819A-R	TRANSISTOR	L	1
R7412	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		Q7006	2803624	TRANSISTOR	L	
R7413, 14	ERJ3GEYK155	M. RESISTOR CH 1/16W 1.5M	2		Q7007	2SD1819A-R	TRANSISTOR	L	
R7417	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1		Q7008	2SA1411	TRANSISTOR	+	1
R7418	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1		Q7010	2SD1819A-R	TRANSISTOR	H	
R7419	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K M. RESISTOR CH 1/16W 91	1		<b>⚠</b> R7001	ERQ16NK1RO	F. RESISTOR 1	H	1
R7420	ERJ3GEYJ910	M. RESISTOR ON 17 TOW ST	<del>  '</del>		R7002	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	+	1
T7401	ETF18L34A	TRANSFORMER	1		R7003	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	┿	11
7 17401	Ell loco-ix		H		R7004, 05	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	2
TP7401	EYF6CU	TEST POINT	1		R7006	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K		1
					R7007	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100		1
TPG	EYF6CU	TEST POINT	1		R7008	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	+-	1
					R7010	VRE0034E183	M. RESISTOR CH 1/10W 18K	-	1
VR7402		V. RESISTOR 10M	1		R7011	VRE0034E222	M. RESISTOR CH 1/10W 2. 2K	₩	1
VR7403	EVML3GAO0B55	V. RESISTOR 500K	1		R7013	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K		·
					R7014	ERJ3GEYJ474 ERJ3GEYG822	M. RESISTOR CH 1/16W 470K M. RESISTOR CH 1/16W 8. 2K	+	1
	VED070074	V-DEF P. C. BOARD	-	(RTL)	R7015 R7016	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	+	1
■ E25	VEP27087A	V-DEF P. C. BUARU	-	(KIL)	R7017	ERJ3GEYJ333	M. RESISTOR CH 1/16W 33K	+	1
					R7018	ERJ3GEYJ100	M. RESISTOR CH 1/16W 10	1	1
C7001	ECA1EFC121	E. CAPACITOR 25V 120U	1		R7019	ERJ3GEYJ183	M. RESISTOR CH 1/16W 18K		1
Ç7002		C. CAPACITOR CH 50V 3300P	1		R7020	ERJ3GEYJ121	M. RESISTOR CH 1/16W 120		1
C7003	ECAOJKF121	E. CAPACITOR 6. 3V 120U	1		R7021	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K		1
C7005	ECGC18A4R7	C. CAPACITOR 12V 4. 7P	1		R7022	VRE0034E133	M. RESISTOR CH 1/10W 13K	Ŀ	1
C7007	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		R7023	ERJ3GEYJ683	M. RESISTOR CH 1/16W 68K	+-	1
C7009		C. CAPACITOR CH 16V 1U	1		R7024	ERJ3GEYG822	M. RESISTOR CH 1/16W 8. 2K	+	1
C7010	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1		R7025	RD10UMB1	DIODE	1	
C7011		C. CAPACITOR CH 25V 0. 023U	1		R7026 R7027	ERJ3GEYG152 ERJ3GEYJ562	M. RESISTOR CH 1/16W 1.5K  M. RESISTOR CH 1/16W 5.6K	-	1
C7012		C. CAPACITOR CH 25V O. 1U E. CAPACITOR 35V 1M	1		R7028	ERJ3GEYG682	M. RESISTOR CH 1/16W 6.8K	+	1
C7013	EGST1CX106Z	T. CAPACITOR CH 16V 10U	1		R7029	ERJ3GEYJ393	M. RESISTOR CH 1/16W 39K	+-	1
07015		C. CAPACITOR CH 50V 6800P	1		R7030	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1	1
C7016		C. CAPACITOR CH 50V 2200P	1		R7032	VRE0034E103	M. RESISTOR CH 1/10W 10K		1
C7017	ECUM1C473KBV	C. CAPACITOR CH 16V 0. 047U	1		R7033	VRE0034E682	M, RESISTOR CH 1/10W 6.8K		1
C7018	ECUM1C105ZFN	C. CAPACITOR CH 16V 1U	1		R7034	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	L	1
C7019	ECUX1E104ZFV	C. CAPACITOR CH 25V 0.1U	1		R7035	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	Ľ	
07020	ECST1CY105Z	T. CAPACITOR CH 16V 1U	1		R7036	ERJ3GEYJ4R7	M. RESISTOR CH 1/16W 4.7		
C7021	EGST1CY335Z	T. CAPACITOR CH 16V 3.3U	1		R7037	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	-	<u>'</u>
07022		C. CAPACITOR CH 50V 4700P	1		R7038 R7039	ERJ3GEYJ333 ERJ3GEYJ104	M. RESISTOR CH 1/16W 33K M. RESISTOR CH 1/16W 100K	-	-
07023		C. CAPACITOR CH 50V 180P C. CAPACITOR CH 25V 0.1U	1		R7040	ERJ3GEYJ473	M. RESISTOR CH 1/16W 47K	1	1
C7024 C7025	ECUX1E104ZFV ECAOJKF121	E. CAPACITOR 6.3V 120U	1		R7041	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	1
07025 07026, 27	ECST1CX106Z	T. CAPACITOR CH 16V 10U	2		R7042	ERJ3GEYJ120	M. RESISTOR CH 1/16W 12	1	1
07028		C. CAPACITOR CH 50V 2700P	1		R7043	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		1
67029	ECST1CX106Z	T. CAPACITOR CH 16V 10U	1		R7050	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K		II
07033	EGA1CKF560	E. CAPACITOR 16V 56U	1	,	R7051	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K		1
C7035	VCEA1CAP330	C. CAPACITOR 16V 33U	1		R7052	ERJ3GEYJ912	M. RESISTOR CH 1/16W 9.1K	1	
C7036		E. CAPACITOR 6.3V 120U	1		R7053	ERJ3GEYJ512	M. RESISTOR CH 1/16W 5.1K		1
07037		C. GAPACITOR CH 50V 2200P	1			Marie A Control	Trot palls	-	
07038	-	E. CAPACITOR 25V 15U	1		TP7001, 02	EYF6CU	TEST POINT	1	4
C7039		C. CAPACITOR CH 50V 220P	1		TDC	EVERMI	TEST DOINT	١,	
C7040		C. CAPACITOR CH 25V 0.1U P. CAPACITOR 0.022U	1		TPG	EYF6CU	TEST POINT	Η'	'
07044	VCF0066J223	P. CAPACITOR 0. 022U C. CAPACITOR 50V 330P	1		VR7001	EVM7JGA00B52	V. RESISTOR 500	1	
C7044	ECCF1H331JC	O. OMENOTION DOV BOOP	-		VR7001	EVM7JGA00B53	V. RESISTOR 5K	-	
D7001	MA3180	DIODE	1		VR7003	EVM7JGA00B52	V. RESISTOR 500	1	
D7001		DIODE	1		VR7004	EVM7JGA00B22	V. RESISTOR 200	1	1
D7002		DIODE	H		VR7005	VRV01138500	V. RESISTOR 50	1	
D7004		DIODE	1		VR7006	EVM7JGA00B53	V. RESISTOR 5K		
107001	TL5001CPS	1C	1				AND ALVERT TO THE TOTAL TOTAL TO THE TOTAL T	Ĺ	
107002	HA11423MP	10	1		■ E26	VEP27088A	CN P. C. BOARD	1	(RTL)
107003	AN77LO9M	IC	_1					-	
		ı	. 1	1		I	i	1	I

07309, 10         ECUX1E10-           07313         ECUX1H33           07314         ECUX1H22           07315, 18         ECUX1H22           07317         ECAOJKF5           07301, 02         MA3047           D7303, 04         EBR5504S           D7307         E662           D7308         MA143           DL7301         VLD0259           167301         TC7S04F           167302         TC7S32F           P7004         VJP2315           P7015         VJP1606T           Q7301-04         2SD1818A           Q7305         2SG3624           Q7306         2SA1411           Q7307         2SB1218A           Q7308         2SA1411           Q7309         2SB1218A           Q7310         2SD1821-           Q7311         2SC4181           Q7312         2SD1819A           R7303         ERJ3GEYJ           R7304         ERJ3GEYJ           R7305         ERJ3GEYJ           R7307         ERJ3GEYJ           R7308         ERJ3GEYJ           R7309         ERJ3GEYJ           R7309         ERJ3GEYJ <th>rt No.</th> <th>Part Name &amp; Description</th> <th>Pcs</th> <th>Remarks</th> <th>Ref. No.</th> <th>Part No.</th> <th>Part Name &amp; Description</th> <th>Pes</th> <th>Damanta</th>	rt No.	Part Name & Description	Pcs	Remarks	Ref. No.	Part No.	Part Name & Description	Pes	Damanta
P7005 VJP3450 P7008 VJP1599T P7008 VJP1599T P7009 VJP1600T  Q7201 2SB1218A  QR7202—05 UN5214  R7201 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7205—09 ERJ3GEYJ5  TPG EYF6CU  ■ E27 VEP27089  C7301 EOEA1HGE- C7302 ECST1AC2: C7303 ECST1AC2: C7303 ECST1AC2: C7306 ECUX11833 C7307 EOEXT1AC2: C7308 ECUX11833 C7314 ECUX1182 C7315, 16 ECUX1182 C7317 EOAOJKF5  D7301, 02 MA3047 D7303, 04 EBR5504S D7307 E562 D7308 MA143  DL7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F P7004 VJP2315 P7015 VJP1606T  Q7301—04 ZSD1819A Q7306 ZSA1411 Q7307 ZSB1218A Q7308 ZSA1411 Q7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GE								_	The second secon
P7005 VJP3450 P7008 VJP1599T P7008 VJP1599T P7009 VJP1600T  Q7201 2SB1218A  QR7202—05 UN5214  R7201 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7205—09 ERJ3GEYJ5  TPG EYF6CU  ■ E27 VEP27089  C7301 EOEA1HGE- C7302 ECST1AC2: C7303 ECST1AC2: C7303 ECST1AC2: C7306 ECUX11833 C7307 EOEXT1AC2: C7308 ECUX11833 C7314 ECUX1182 C7315, 16 ECUX1182 C7317 EOAOJKF5  D7301, 02 MA3047 D7303, 04 EBR5504S D7307 E562 D7308 MA143  DL7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F P7004 VJP2315 P7015 VJP1606T  Q7301—04 ZSD1819A Q7306 ZSA1411 Q7307 ZSB1218A Q7308 ZSA1411 Q7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GE							M. RESISTOR CH 1/10W 1K	3	
P7008 VJP1599T P7009 VJP1600T P7009 VJP1600T P7009 VJP1600T P7009 VJP1600T P7009 VJP1600T P7201 2S81218A P7201 ERJ3GEYG4 R7202 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYJ5 R7204 ERJ3GEYJ5 P704 ERJ3GEYJ5 P705 ECST16015 P7301 ECEA1HGE- P7302 ECST16015 P7303 ECST1AG22 P7304 ECJM16105 P7305 ECST1AG22 P7306 ECJM1833 P7307 ECJM1833 P7314 ECJM182 P7307 ES62 P7307 ES62 P7308 MA143 DL7301 VLD0259 D7308 MA143 DL7301 TC7S04F D7307 ES62 D7308 MA143 DL7301 TC7S04F D7307 ES62 D7308 MA143 DL7301 TC7S04F D7301 TC7S04F D7301 TC7S04F D7301 TC7S04F D7301 TC7S04F D7301 TC7S04F D7301 ES62 D7308 MA143 DL7301 TC7S04F D7301 TC7S04F D730	450	CONNECTOR (MALE)	_1				M. RESISTOR CH 1/16W 390	1	
P7009 VJP1600T  Q7201 2SB1218A-  QR7202-05 UN5214  R7201 ERJ3GEYGE  R7202 ERJ3GEYGE  R7203 ERJ3GEYGE  R7204 ERJ3GEYGE  R7204 ERJ3GEYGE  R7205-09 ERJ3GEYGE  R7205-09 ERJ3GEYGE  C7301 ECEA1HGE-  C7302 ECST1C013  C7303 ECST1AC2;  C7304 ECUM1G103  C7305 ECST1AC2;  C7306 ECUX1H33;  C7307 ECUX1H33;  C7308 ECUX1H33;  C7314 ECUX1H22  C7315, 16 ECUX1H22  C7315, 16 ECUX1H22  C7317 ECA0JKF5  D7301, 02 MA3047  D7303, 04 ERF5504S  D7307 E562  D7308 MA143  DL.7301 TC7S04F  1C7301 TC7S04F  1C7302 TC7S32F  P7004 VJP2315  P7015 VJD1606T  Q7301-04 2SD1819A  Q7305 QSM1411  Q7307 QSM121-Q  Q7309 QSM121-Q  Q7309 QSM121-Q  Q7309 QSM121-Q  Q7301 ERJ3GEYG  R7301 ERJ3GEYG  R7302 ERJ3GEYG  R7303 ERJ3GEYG  R7304 ERJ3GEYG  R7307 ERJ3GEYG  R7310 ERJ3GEYG  R7311 ERJ3GEYG  R7311 ERJ3GEYG  R7312 ERJ3GEYG  R7312 ERJ3GEYG  R7313 ERJ3GEYG  R7314 ERJ3GEYG  R7314 ERJ3GEYG  R7314 ERJ3GEYG  R7314 ERJ3GEYG  R7315 ERJ3GEYG  R7311 ERJ3GEYG  R7311 ERJ3GEYG  R7311 ERJ3GE	450	CONNECTOR (MALE)	_1		R7326		M. RESISTOR CH 1/10W 2, 2K	1	
97201 2SB1218A- 97202-05 UN5214  R7201 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYG5 R7203 ERJ3GEYG5 R7204 ERJ3GEYG5 R7205-09 ERJ3GEYG5 R7206 ECJ3GEYG5 C7301 ECEA1HGE- C7302 ECST1C018 C7303 ECST1AC22 C7304 ECUM1G103 C7305 ECST1AC22 C7306 ECUX1H33 C7307 ECJX1H33 C7314 ECJX1H33 C7315 ECJX1H33 C7316 ECUX1H22 C7315, 16 ECUX1E10 C7317 ECA0JKF5 D7301, 02 MA3047 D7303, 04 ERS5504S D7307 E562 D7308 MA143 DL7301 VLD0259 1C7301 TC7S04F 1C7302 TC7S32F P7004 VJP2315 P7015 VJP1606T Q7301-04 ZSD1819A Q7309 ZSB1218A Q7308 ZSA1411 Q7307 ZSB1218A Q7308 ZSA1411 Q7307 ZSB1218A Q7308 ERJ3GEYG R7301 ERJ3GEYG R7302 ERJ3GEYG R7303 ERJ3GEYG R7304 ERJ3GEYG R7307 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7307 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7307 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7301 ERJ3GEYG R7311 ERJ3GEYG	599T	CONNECTOR (MALE)	1				M. RESISTOR CH 1/16W 180K		
R7201 ERJ3GEYG4 R7202 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7205 O9 ERJ3GEYJ5 TPG EYF6CU  ■ E27 VEP27089  C7301 ECEA1HGE- C7302 ECST1AC2: C7303 ECST1AC2: C7304 ECUX1133 C7304 ECUX1133 C7309 ECUX1133 C7314 ECUX1120 C7315 ECEX11AC2: C7307 ECAST1AC2: C7308 ECUX1133 C7314 ECUX1120 C7315 ECUX1120 C7317 ECAOJKF5 D7301, 02 MA3047 D7303, 04 ERF5504S D7307 E562 D7308 MA143  DL.7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F  P7004 VJP2315 P7015 VJP1606T  Q7301 QSD181AA Q7309 2SB121AA Q7309 2SB121AA Q7309 2SB121AA Q7309 2SB121AA Q7309 ERJ3GEYJ R7301 ERJ3GEYJ R7301 ERJ3GEYJ R7302 ERJ3GEYJ R7303 ERJ3GEYJ R7304 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7309 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GEYJ R73	T000	CONNECTOR (MALE)	_1		R7328		M. RESISTOR CH 1/16W 150K	1	
R7201 ERJ3GEYG4 R7202 ERJ3GEYG4 R7202 ERJ3GEYG5 R7203 ERJ3GEYJ5 R7204 ERJ3GEYJ5 R7205 O9 ERJ3GEYJ5 TPG EYF6CU  ■ E27 VEP27089  C7301 ECEA1HGE- C7302 ECST1AC2: C7303 ECST1AC2: C7304 ECUX1133 C7304 ECUX1133 C7309 ECUX1133 C7314 ECUX1120 C7315 ECEX11AC2: C7307 ECAST1AC2: C7308 ECUX1133 C7314 ECUX1120 C7315 ECUX1120 C7317 ECAOJKF5 D7301, 02 MA3047 D7303, 04 ERF5504S D7307 E562 D7308 MA143  DL.7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F  P7004 VJP2315 P7015 VJP1606T  Q7301 QSD181AA Q7309 2SB121AA Q7309 2SB121AA Q7309 2SB121AA Q7309 2SB121AA Q7309 ERJ3GEYJ R7301 ERJ3GEYJ R7301 ERJ3GEYJ R7302 ERJ3GEYJ R7303 ERJ3GEYJ R7304 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7309 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GEYJ R73			_		R7329		M. RESISTOR CH 1/10W 6.8K	1	
R7201 ERJ3GEYGA R7202 ERJ3GEYGA R7203 ERJ3GEYGA R7204 ERJ3GEYJG R7205—09 ERJ3GEYJG TPG EYF6CU  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	218A-R	TRANSISTOR	_1		R7330		M. RESISTOR CH 1/10W 2.2K	1	
R7201 ERJ3GEYGA R7202 ERJ3GEYGA R7203 ERJ3GEYGA R7204 ERJ3GEYJG R7205—09 ERJ3GEYJG TPG EYF6CU  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□			_				M. RESISTOR CH 1/16W 100	1	
R7202 ERJ3GEYGE R7203 ERJ3GEYGE R7204 ERJ3GEYGE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7301 EGEATHGE C7302 EGST1AG22 C7303 EGST1AG22 C7304 ECJM1G103 C7305 EGST1AG22 C7306 ECJM1H33 C73104 ECJM1H33 C7314 ECJM1H22 C7315, 16 ECJM1H22 C7317 ECAOJKF5 D7301, 02 MA3047 D7303, 04 EBR5504S D7307 ES62 D7308 MA143  DL7301 VLD0259  167301 TC7S04F 167302 TC7S32F P7004 VJP2315 P7015 VJP1606T Q7301-04 ZSD1819A Q7305 ZSG3624 Q7306 ZSA1411 Q7307 ZSB121BA Q7307 ZSB121BA Q7308 ZSA1411 Q7307 ZSB121BA Q7308 ERJ3GEYJ R7301 ERJ3GEYJ R7301 ERJ3GEYJ R7302 ERJ3GEYJ R7303 ERJ3GEYJ R7304 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GEYJ R7311 ERJ3GEYJ R7311 ERJ3GEYJ R7312 ERJ3GEYJ R7311 ERJ3GEYJ	14	TRANSISTOR-RESISTOR	4				M. RESISTOR CH 1/10W 5.6K	2	
R7202 ERJ3GEYGE R7203 ERJ3GEYGE R7204 ERJ3GEYGE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7205 ERJ3GEYJE R7301 EGEATHGE C7302 EGST1AG22 C7303 EGST1AG22 C7304 ECJM1G103 C7305 EGST1AG22 C7306 ECJM1H33 C73104 ECJM1H33 C7314 ECJM1H22 C7315, 16 ECJM1H22 C7317 ECAOJKF5 D7301, 02 MA3047 D7303, 04 EBR5504S D7307 ES62 D7308 MA143  DL7301 VLD0259  167301 TC7S04F 167302 TC7S32F P7004 VJP2315 P7015 VJP1606T Q7301-04 ZSD1819A Q7305 ZSG3624 Q7306 ZSA1411 Q7307 ZSB121BA Q7307 ZSB121BA Q7308 ZSA1411 Q7307 ZSB121BA Q7308 ERJ3GEYJ R7301 ERJ3GEYJ R7301 ERJ3GEYJ R7302 ERJ3GEYJ R7303 ERJ3GEYJ R7304 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GEYJ R7311 ERJ3GEYJ R7311 ERJ3GEYJ R7312 ERJ3GEYJ R7311 ERJ3GEYJ					R7335	ECUX1HOR5CCV	C. CAPACITOR CH 50V 0, 5P	1	
R7203 ERJ3GEYJ2 R7204 ERJ3GEYJ2 R7204 ERJ3GEYJ3 R7205 PEJ3GEYJ3 R7205 PEJ3GEYJ3 R7205-09 ERJ3GEYJ3 R7205-09 ERJ3GEYJ3 R7205-09 ERJ3GEYJ3 R7301 ECEA1HGE- C7302 ECST1C013 C7303 ECST1A022 C7304 ECJM1GT03 C7305 ECST1A022 C7306 ECJM1H33 C7306 ECJM1H33 C7307 ECJM1H33 C7314 ECJM1H22 C7317 ECA0JKF5 D7301, 02 MA3047 D7301, 02 MA3047 D7303, 04 ER5504S D7307 ES62 D7308 MA143 DL7301 VLD0259 LC7301 TC7S04F LC7302 TC7S32F P7004 VJP2315 P7015 VJP1606T Q7301-04 2SD1819A Q7306 2SA1411 Q7307 2SB1218A Q7308 2SA1411 Q7307 2SB1218A Q7308 2SA1411 Q7307 2SB1218A Q7308 ERJ3GEYJ R7301 ERJ3GEYJ R7310 ERJ3GEYJ R7311 ERJ3GEYJ	GEYG472	2 M. RESISTOR CH 1/16W 4.7K	1		R7336	ERJ3GEYG473	M. RESISTOR CH 1/16W 47K	1	
R7204 ERJ3GEYG1 R7205-09 ERJ3GEYG1 R7205-09 ERJ3GEYG1 R7205-09 ERJ3GEYG1 R7205-09 ERJ3GEYG1 R7205-09 ERJ3GEYG1 R7301 ECEA1HGE- C7302 ECST1C013 C7303 ECST1AC2 C7304 ECUM1G1C3 C7305 ECST1AC2 C7306 ECUX1H33 C7307 ECUX1H33 C7314 ECUX1E10 C7317 ECA0JKF5 D7301, 02 MA3047 D7301, 02 MA3047 D7303, 04 EBR5504S D7307 ES62 D7308 MA143 DL7301 VLD0259 D7308 MA143 DL7301 TC7S04F 1G7302 TC7S32F P7004 VJP2315 P7004 VJP2315 P7004 VJP2315 P7005 VJP1606T Q7301-04 2SD1819A Q7305 2SG3624 Q7308 2SA1411 Q7307 2SB1218A Q7308 2SA1411 Q7307 2SB1218A Q7308 2SA1411 Q7307 ERJ3GEYG R7301 ERJ3GEYG R7302 ERJ3GEYG R7304 ERJ3GEYG R7305 ERJ3GEYG R7307 ERJ3GEYG R7307 ERJ3GEYG R7307 ERJ3GEYG R7308 ERJ3GEYG R7307 ERJ3GEYG R7301 ERJ3GEYG R7310 ERJ3GEYG R7311 ERJ3GEYG R7	GEYG682	2 M. RESISTOR CH 1/16W 6.8K	1		R7338	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R7204 ERJ3GEYGI R7205-09 ERJ3GEYJE R7205-09 ERJ3GEYJE R7205-09 ERJ3GEYJE R7205-09 ERJ3GEYJE R7301 ECEA1HGE- C7302 ECST1C011 C7303 ECST1AC2; C7304 ECJMIGTO C7305 ECST1AC2; C7306 ECJMIGTO C7307 ECJMIGTO C7307 ECJMIGTO C7308 ECJMIGTO C7309 ECJMIGTO C7301 ECJMIGTO C7301 ECJMIGTO C7301 ECJMIGTO C7303 ECJMIGTO C7301 TCTSO4F LCT301 TCTSO4F LCT301 TCTSO4F LCT302 TCTS32F  P7004 VJP2315 P7015 VJP1606T  Q7301-04 ESD1819A Q7305 ESG3624 Q7306 ESJ3GEYJ Q7307 ESB121BA Q7307 ESB121BA Q7308 ESJ3GEYJ C7301 ERJ3GEYJ R7301 ERJ3GEYJ R7311 ERJ3GE	GEYJ271	M. RESISTOR CH 1/16W 270	1		R7339	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1	<u> </u>
TPG EYF6CU  TPG EQA1HGE-  TPG ECST1G018  TPG ECST1G018  TPG ECST1AG22  TPG ECST1AG22  TPG ECUM1610  TPG E	GEYG152	2 M. RESISTOR CH 1/16W 1.5K	1		R7341	ERJ3GEYJ104	M. RESISTOR CH 1/16W 100K	1	
TPG EYF6CU  TPG EYF7COS9  TPG EYFTCOS9  TPG EYF7COS9  TPG EYFTCOS9  TPG EYFTCOS			5		R7342	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	
■ E27 VEP27039/  C7301 ECEA1HGE/ C7302 ECST1GC11 C7303 EOST1A022 C7304 ECUM1G103 C7305 ECST1A022 C7306 ECUX1H33 C7309, 10 ECUX1H33 C7314 ECUX1H33 C7317 ECAOJKF5  D7301, 02 MA3047 D7303, 04 E6F5504S D7307 E562 D7308 MA143  DL.7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F  P7004 VJP2315 P7015 VJP1606T  Q7301-04 2SD1819A Q7305 2SC3624 Q7306 2SA1411 Q7307 2SB121BA Q7308 QSS121BA Q7309 QSS121BA Q7309 QSS121BA Q7309 CSS121BA Q7309 CSS121BA Q7309 ERJ3GEY R7301 ERJ3GEY R7302 ERJ3GEY R7303 ERJ3GEY R7304 ERJ3GEY R7305 ERJ3GEY R7307 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7310 ERJ3GEY R7311 ERJ3GEY R7313 ERJ3GEY R7314 ERJ3GEY R7313 ERJ3GEY R7314 ERJ3GEY R7311 ERJ3GEY R7313 ERJ3GEY R7311 ERJ3GEY					R7345	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1	·
■ E27 VEP27039/  C7301 ECEA1HGE/ C7302 ECST1GC11 C7303 EOST1A022 C7304 ECUM1G103 C7305 ECST1A022 C7306 ECUX1H33 C7309, 10 ECUX1H33 C7314 ECUX1H33 C7317 ECAOJKF5  D7301, 02 MA3047 D7303, 04 E6F5504S D7307 E562 D7308 MA143  DL.7301 VLD0259  1C7301 TC7S04F 1C7302 TC7S32F  P7004 VJP2315 P7015 VJP1606T  Q7301-04 2SD1819A Q7305 2SC3624 Q7306 2SA1411 Q7307 2SB121BA Q7308 QSS121BA Q7309 QSS121BA Q7309 QSS121BA Q7309 CSS121BA Q7309 CSS121BA Q7309 ERJ3GEY R7301 ERJ3GEY R7302 ERJ3GEY R7303 ERJ3GEY R7304 ERJ3GEY R7305 ERJ3GEY R7307 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7301 ERJ3GEY R7310 ERJ3GEY R7311 ERJ3GEY R7313 ERJ3GEY R7314 ERJ3GEY R7313 ERJ3GEY R7314 ERJ3GEY R7311 ERJ3GEY R7313 ERJ3GEY R7311 ERJ3GEY	CU	TEST POINT	1		R7347	EROS2CKG2701	M. RESISTOR 1/4W 2.7K	1	
C7301 ECEA1HGE- C7302 ECST1GC11 C7303 ECST1AC2: C7304 ECUMIG103 C7305 ECST1AC2: C7306 ECUMIG103 C7307 ECUMIG103 C7308 ECUMIH33 C7309, 10 ECUMIH33 C7314 ECUMIH33 C7314 ECUMIH33 C7314 ECUMIH22 C7315, 16 ECUMIH22 C7317 ECAOUKF5 D7301, 02 MA3047 D7303, 04 EBR5504S D7307 E562 D7308 MA143  01.7301 VLD0259  107301 T07S04F 107302 T07S32F  P7004 VJP2315 P7015 VJP16067  Q7301-04 2SD181BA Q7305 2SG3624 Q7306 2SA1411 Q7307 2SB121BA Q7308 2SK316-Q Q7309 2SB121BA Q7309 2SB121BA Q7310 2SD1819A C7310 ERJ3GEY CR7301 ERJ3GEY CR7302 ERJ3GEY CR7303 ERJ3GEY CR7304 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7309 ERJ3GEY CR7301 ERJ3GEY CR7301 ERJ3GEY CR7301 ERJ3GEY CR7311 ERJ3GEY CR7			~		R7348	EROS2CKG4702	M. RESISTOR 1/4W 47K	1	
C7301 ECEA1HGE- C7302 ECST1GC11 C7303 ECST1AC2: C7304 ECUMIG103 C7305 ECST1AC2: C7306 ECUMIG103 C7307 ECUMIG103 C7308 ECUMIH33 C7309, 10 ECUMIH33 C7314 ECUMIH33 C7314 ECUMIH33 C7314 ECUMIH22 C7315, 16 ECUMIH22 C7317 ECAOUKF5 D7301, 02 MA3047 D7303, 04 EBR5504S D7307 E562 D7308 MA143  01.7301 VLD0259  107301 T07S04F 107302 T07S32F  P7004 VJP2315 P7015 VJP16067  Q7301-04 2SD181BA Q7305 2SG3624 Q7306 2SA1411 Q7307 2SB121BA Q7308 2SK316-Q Q7309 2SB121BA Q7309 2SB121BA Q7310 2SD1819A C7310 ERJ3GEY CR7301 ERJ3GEY CR7302 ERJ3GEY CR7303 ERJ3GEY CR7304 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7307 ERJ3GEY CR7309 ERJ3GEY CR7301 ERJ3GEY CR7301 ERJ3GEY CR7301 ERJ3GEY CR7311 ERJ3GEY CR7									
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07304 ECUMICIO 07305 ECSTIAO2 07306 ECUXIH33 07309, 10 ECUXIH33 07314 ECUXIH33 07314 ECUXIH33 07317 ECAOJKF5 07317 ECAOJKF5 07317 ECAOJKF5 07301, 02 MA3047 07303, 04 EBR5504S 07307 E562 07308 MA143 0L7301 VLD0259 1C7301 TC7S04F 1C7302 TC7S32F 07304 VJP2315 07305 VJP1606T 07301-04 SD1819A 07306 SSA1411 07307 SSB1218A 07308 SSA316-0 07309 SSB1218A 07308 ERJ3GEY 07311 ERJ3GEY 07304 ERJ3GEY 07305 ERJ3GEY 07306 ERJ3GEY 07307 ERJ3GEY 07308 ERJ3GEY 07309 ERJ3GEY 07309 ERJ3GEY 07310 ERJ3GEY 07309 ERJ3GEY 07310 ERJ3GEY			۲,					Ė	
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07306 ECUX1H331 07309.10 ECUX1H331 07314 ECUX1H33 07314 ECUX1H33 07315.16 ECUX1H22 07317 ECAOJKF5  D7301.02 MA3047 D7303.04 EBR5504S D7307 E562 D7308 MA143  DL7301 VLD0259  167301 TC7S04F 167302 TC7S32F  P7004 VJP2315 P7015 VJP1606T  Q7301-04 2SD1819A Q7305 2SG3624 Q7308 2SA1411 Q7307 2SB121BA Q7308 2SK316-0 Q7309 2SB1218A Q7310 2SD1821- Q7311 2SC4181 Q7312 ERJ3GEY R7304 ERJ3GEY R7305 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7308 ERJ3GEY R7309 ERJ3GEY R7309 ERJ3GEY R7307 ERJ3GEY R7308 ERJ3GEY R7308 ERJ3GEY R7309 ERJ3GEY R7301 ERJ3GEY R7310 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7312 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7312 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7312 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY R7311 ERJ3GEY			1		VR7301 VR7302	EVUFNAE03B55		1	J
07309, 10         ECUX1E10-           07313         ECUX1H33           07314         ECUX1H22           07315, 18         ECUX1H22           07317         ECAOJKF5           07301, 02         MA3047           D7303, 04         EBR5504S           D7307         E662           D7308         MA143           DL7301         VLD0259           167301         TC7S04F           167302         TC7S32F           P7004         VJP2315           P7015         VJP1606T           Q7301-04         2SD1818A           Q7305         2SG3624           Q7306         2SA1411           Q7307         2SB1218A           Q7308         2SK318-0           Q7309         2SB1218A           Q7310         2SD1821-0           Q7311         2SQ4181           Q7312         2SD1819A           R7303         ERJ3GEY           R7304         ERJ3GEY           R7305         ERJ3GEY           R7307         ERJ3GEY           R7308         ERJ3GEY           R7309         ERJ3GEY           R7309         ERJ3GEY			1-1		VR7302 VR7303	EVUFNAE03B35		1	
67313         ECUX1H33           67314         ECUX1H22           67315         16           67317         ECAOJKF5           67317         ECAOJKF5           67317         ECAOJKF5           67317         ECAOJKF5           67301         EBR5504S           67307         E562           67308         MA143           60-7301         VLD0259           167301         TC7S04F           167302         TC7S32F           P7004         VJP2315           P7015         VJP1606T           Q7301-04         2SD1818A           Q7305         2SG3624           Q7306         2SA1411           Q7307         2SB1218A           Q7308         2SK316-0           Q7309         2SB1218A           Q7310         2SD1819A           Q7311         2SC4181           Q7312         2SD1819A           R7301         ERJ3GEYJ           R7302         ERJ3GEYJ           R7303         ERJ3GEYJ           R7304         ERJ3GEYJ           R7307         ERJ3GEYJ           R7308         ERJ3GEYJ		ICV C. CAPACITOR CH 50V 33P	1		VR /303	E40FRACUSD15	T. NEGIGION 100N	+ '	
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R7303 ERJ3GEYJ R7304 ERJ3GEYJ R7305, 06 ERJ3GEYJ R7307 ERJ3GEYJ R7308 ERJ3GEYC R7309 ERJ3GEYC R7310 ERJ3GEYC R7311 ERJ3GEYC R7312 ERJ3GEYC R7313 ERJ3GEYC			1				C. CAPACITOR CH 25V 0. 1U	+;	<del> </del>
R7304 ERJ3GEYJ R7305, 06 ERJ3GEYJ R7307 ERJ3GEYC R7309 ERJ3GEYC R7310 ERJ3GEYC R7311 ERJ3GEYC R7312 ERJ3GEYC R7313 ERJ3GEYC			1		C26			┼-	
R7305, 06			1		027	ECEVOJV470Q		1-	<del> </del>
R7307 ERJ3GEYC R7308 ERJ3GEYC R7309 ERJ3GEYC R7310 ERJ3GEYC R7311 ERJ3GEYC R7312 ERJ3GEYC			1		C31		C. CAPACITOR CH 25V 0. 1U	1	<b> </b>
R7308 ERJ3GEYG R7309 ERJ3GEY R7310 ERJ3GEY R7311 ERJ3GEY R7312 ERJ3GEY R7313 ERJ3GEYG			2		C33		C. CAPACITOR CH 25V O. 1U	1	
R7309 ERJ3GEY. R7310 ERJ3GEY. R7311 ERJ3GEY. R7312 ERJ3GEY. R7313 ERJ3GEY.	J3GEYJ101	01 M. RESISTOR CH 1/16W 100	1		G34		E. CAPACITOR CH6. 3V 47U	1	
R7310 ERJ3GEY. R7311 ERJ3GEY. R7312 ERJ3GEY. R7313 ERJ3GEY	J3GEYG472	72 M. RESISTOR CH 1/16W 4. 7K	1		055	ECEVOJV4700	E. CAPACITOR CH6. 3V 47U	-1	<b>}</b>
R7311 ERJ3GEY. R7312 ERJ3GEY. R7313 ERJ3GEY	J3GEYJ101	01 M. RESISTOR CH 1/16W 100	1		C57		C. CAPACITOR CH 25V O. 1U	1	<del> </del>
R7311 ERJ3GEY. R7312 ERJ3GEY. R7313 ERJ3GEY.	J3GEYJ104	04 M. RESISTOR CH 1/16W 100K	1		C64	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	1	<del></del>
R7312 ERJ3GEY. R7313 ERJ3GEY	J3GEYJ333	33 M. RESISTOR CH 1/16W 33K	1		C85	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1	<del> </del>
R7313 ERJ3GEY0	J3GEYJ103	03 M. RESISTOR CH 1/16W 10K	1		C2O3	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1	
	J3GEYG332		1		G204	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
			1		C206	ECUX1H103KBV	C. CAPACITOR CH SOV 0. 01U	1	
R7315 VRE0034E			1		0207	ECUM1H680JCN	C. CAPACITOR CH 50V 68P	1	
			1		C209-11	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	3	N
	J6GEYOROO		1		0212		C. CAPACITOR CH 16V O. 47U	1	
	J3GEYOROO		1		0213		C. CAPACITOR CH 50V 1000P	1	
	J3GEYJ101		'		£		C. CAPACITOR CH 50V 0. 01U	2	
R7321 ERJ3GEY	JUL 10101	5. M. M. D. J.	<del>  '</del>	<del>                                     </del>				1	
			-	<del> </del>	<b></b>	<del></del>		1	<del>                                     </del>

									AJ-DZOURE
D.C.N.	D N.	Don't None & Decomination	Dag	Pomerles	Ref. No.	Part No.	Part Name & Description	Do:	Remarks
Ref. No.	Part No.	Part Name & Description	res	Remarks				1	
		C. CAPACITOR CH 16V 0. 047U			C670	ECEVOJV470Q		-	
C243	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	- 11		C672		C. CAPACITOR CH 50V 22P	1	
0250	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	1		C678	ECEAOJU470	E. CAPACITOR 6. 3V 47U	1	
C251	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1		C801-04	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	4	,
G252	ECUX1H103KBV	C. CAPACITOR CH SOV C. OIU	1		C805	ECUX1H22OJCV	C. CAPACITOR CH SOV 22P	1	
C253		E. CAPACITOR CH6. 3V 47U	1		C807, 08	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2	
		C. CAPACITOR OH 50V 0. 01U	1		C809		C. CAPACITOR CH 50V 0. 01U	1	
						-		1	<del> </del>
C263		E. CAPACITOR CH6. 3V 47U	1		0810	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	<u> </u>	<del> </del>
C264	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	-1		C811	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1	<del>  ,</del>
0272	ECUX1E104KBN	C. CAPACITOR CH 25V O. 1U	1	<u> </u>	C812-14	ECUX1E104ZFV	G. CAPACITOR CH 25V 0. 1U	3	·
C273	ECUX1H180JCV	C. CAPACITOR CH 50V 18P	1		C816	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	- 1	
C274		C. CAPACITOR CH 50V 7P	1		0817, 18	ECUX1E104ZFV	C. CAPACITOR CH 25V 0, 1U	2	
G275		C. CAPACITOR CH 50V 82P	1		C819	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1	
			1		C82O		C. CAPACITOR CH 25V 0. 1U	1	<del></del>
C276		C. CAPACITOR CH 25V 0. 1U				-		-	
C279		C. CAPACITOR CH 25V O. 1U	1		0821	ECEVOJV3300	E. CAPACITOR CH6. 3V 33U	_1	
C280	ECEVOJV330Q	E. CAPACITOR CH6. 3V 33U	1		C822	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	_1	
C301-04	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	4	1.	C902, 03	ECUX1H103KBV	C. CAPACITOR CH SOV O. O1U	2	2
C308, 09	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	2		C906	ECUX1H103KBV	C. CAPACITOR CH SOV O. 01U	1	
C310, 11		C. CAPACITOR CH 50V 15P	2		C920	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1	
			1		C921-25		C. CAPACITOR CH 50V 0. 01U	5	
0312			- '						
C403, 04	VCK0152	C. CAPACITOR	2		C928	ECOY I H3 807CA	C. CAPACITOR CH 50V 39P	ļ¹	
C405	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1			L		_	
C406	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		D201	MA142K	DIODE	_1	
C407	VCK0151	C. CAPACITOR	1		D203, 04	MA704	DIODE	2	2
C408, 09		C. CAPACITOR CH 50V 0. 01U	2						
		C. CAPACITOR	1		DL602	VLD0265	DELAY LINE	١,	
G410	VCK0151		-					Η'	
C411-13		C. CAPACITOR CH 50V 0. 01U	3			- FOC	FUTER	-	
C414	VCK0151	C. CAPACITOR	1		FL2-L4	VLF09410223	FILTER	_3	
C415-17	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	3		FL601	VLF1179	FILTER	. 1	
C602, 03	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	2		FL602	VLF1337	FILTER	_1	
C605, 06	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	2						
G608		C. CAPACITOR CH 25V 0. 1U	1		106	XC62AP5002P	10	1	
			-		108	XC62DN5002P	ic		
C609	ECUX1H181JCV	C. CAPACITOR CH 50V 180P	-					-	
C610	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1		109	XC62AP3002P	10	_1	
C611	ECUX1H390JCV	C. CAPACITOR CH 50V 39P	1		1094	CY7C19920ZC	10	_1	1
C612	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1		10201	EL4583CS	IC	1	
Ç613	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		10202	TC7W14FU	IC	1	11
C614	ECUX1H22OJCV	G. CAPACITOR CH 50V 22P	1		10203	TCVHCO4FS	IC	- 1	
			1		10205	TC7W125FU	10	1	
C615			-				ic		
C616	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	1	·	10206	NJM062M		-	
C617	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		10213	XC62AP5002P	10	1	
C618	ECUX1H560JCV	C. CAPACITOR CH 50V 56P	1		10301	T163G26-1022	10		4
C620	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		10302	TC7WU04FU	10	1	
C623		C. CAPACITOR CH 50V 0. 01U	1		10305	TCVHC74FS	10		
	ECEVOJV470Q	E. CAPACITOR CH6. 3V 47U	1		10306	TC4W53FU	10	1	
C624			1		10402	MN657021F	10		
C625		C. CAPACITOR CH 50V 39P	_					_	
C626	ECUX1H070DCV	C. CAPACITOR CH 50V 7P	1		10601	TC7SH08FU	10	1	
C627	ECUX1H101JCV	C. CAPACITOR CH 50V 100P	1		10602	AD817AR	10	_1	n .
C628	ECUX1H22OJCV	C. GAPACITOR CH 50V 22P	1		10603	AD826AR	10	1_1	I)
C629	ECUX1H27OJCV	C. CAPACITOR CH 50V 27P	1		10604	M51272FP	IC	1	
C630	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1		10608-10	TC7S08FU	10	1	3
			1		10611	XC62AP5002P	10		
C631	ECUX1H470JCV	C. CAPACITOR CH 50V 47P	_					-	
C632	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		10801	AD826AR	10	-!	
G633	ECUX1H560JCV	C. CAPACITOR CH 50V 56P	1		10802	AD817AR	10		
C635, 36	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	2		10901	T160G41-1437	10		
G637	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	1		10903	CG25123-5106	IC	_1	
C638	ECUX1H22OJCV	C. CAPACITOR CH 50V 22P	1		10907	TC7S04FU	10	1	
	ECUX1H103KBV	C. CAPACITOR CH 50V 0. 01U	1		10910	CY7C19920ZC	IC	1	
C640	-		-		<b></b>	1		<u> </u>	<del> </del>
C641	ECUX1H151JCV	C. CAPACITOR CH 50V 150P	1		1121	10 F101F1111	TUTED	$\vdash$	
C642	ECUX1H561JCV	C. CAPACITOR CH 50V 560P	1		L101-03	VLF1315A102	FILTER	3	
C643, 44	ECST1CC336Z	T. CAPACITOR CH 18V 33U	2		L201-03	VLQ0319K101	COIL 1000H	3	1
C645, 46	ECUM1C105KBM	C. CAPACITOR CH 16V 1U	2		L207	VLP0155	COIL	L	
C647	ECUM1E473KBN	C. CAPACITOR CH 25V 0. 047U	1		L208	VLQ0319K101	COIL 100UH	1	
	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	2		L263	VLQ0319K101	COIL 1000H	1	
C648, 49			1		L264	VLQ0163J221	COIL 220UH		
C650	ECUM1E473KBN	C. CAPACITOR CH 25V O. 047U						-	
C651	ECUX1E104ZFV	C. CAPACITOR CH 25V O. 1U	$\perp$		L300-07	VLP0155	COIL		
C652	ECST1CC336Z	T. CAPACITOR CH 16V 33U	1		L309-19	VLP0155	COIL	11	
C653	ECUX1E104ZFV	C. CAPACITOR CH 25V 0, 1U	1		L402	VLQ0464K6R8	COIL 6. 8UH	1	
C654	ECUM1E473KBN	C. CAPACITOR CH 25V O. 047U	1		L601	VLQ0426J220	COIL 22UH	1	
		C. CAPACITOR CH 25V 0.1U	1		L602	VLQ0163J390	COIL 39UH		
C655	-		_		L603	VLQ0319K101	COIL 100UH	H	
C656	ECEVOJV4700	E. CAPACITOR CH6. 3V 47U	1					H	
C657, 58	ECUX1H103KBV	C. CAPACITOR CH 50V 0.01U	2		L604	VLQ0426J820	COIL 82UH	_1	
G664	ECUX1H150JCV	C. CAPACITOR CH 50V 15P	-1		L605	VLQ0426J680	COIL 68UH	_1	
C667	ECUX1E104ZFV	C. CAPACITOR CH 25V 0. 1U	- 1		L607	VLQ0319K101	COIL 100UH	1	
	ECST1GC336Z	T. CAPACITOR CH 16V 33U	1		L608	VLQ0426J820	COIL 82UH	1	
C868		1							
C668			( (	E I					1
C668			Ш						

	Part No. VL00426J680	Part Name & Description	Pcs		Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L609			1					-	
	VLQ04263680	UUIL DOUN			418	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0		
L611, 12							M. RESISTOR CH 1/16W 0	2	
		COIL 47UH	2				M. RESISTOR CH 1/16W 0	1	
L613	VLQ0426J180	COIL 18UH	1		601			-	
L614	VLQ0426J560	COIL 56UH	_1		603		M. RESISTOR CH 1/16W 2.2K		
L618	VLQ0319K101	COIL 1,00UH	1	Re	605		M. RESISTOR CH 1/16W 2.2K		
L803, 04	VLQ0319K101	GOIL 100UH	2	Ri	606	ERJ3GEYJ392	M. RESISTOR CH 1/16W 3.9K	_1	
				R	607	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
P1	VJS3791B036	CONNECTOR (FEMALE)	1	R	608	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	
	VJS3806E140	CONNECTOR (FEMALE)	1	R	1609	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
			1		610		M. RESISTOR CH 1/16W 5. 6K	1	
P3	VJP3125B006	CONNECTOR (MALE) 6P	<del>  ' </del>		1611		M. RESISTOR CH 1/16W 1K	1	<b></b>
							M. RESISTOR CH 1/16W 2.2K	1	
Q201	2SD1819A-R	TRANSISTOR	'		1612			2	
Q601-06	2SD1819A-R	TRANSISTOR	6				M. RESISTOR CH 1/16W 1K		
Q807	2SA1532-B	TRANSISTOR	1	R	1616	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	_1	
Q608	2SD1819A-R	TRANSISTOR	1	R	1619	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	<u> </u>
Q609	2SA1532-B	TRANSISTOR	1	R	8620	VRT014116250	THERMISTOR	1	
	2SB1218A-R	TRANSISTOR	3	R	8622, 23	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	
	2SD1819A-R	TRANSISTOR	1	R	8624	ERJ3GEYJ681	M. RESISTOR CH 1/16W 680	1	
	2SB1218A-R	TRANSISTOR	1	R	8625	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	
			1		1626		M. RESISTOR CH 1/16W 1.5K	1	
	2SD1819A-R	TRANSISTOR	3		1627		M. RESISTOR CH 1/16W 1K	1	
	28B1218A-R	TRANSISTOR	1					2	
Q805	2SD1819A-R	TRANSISTOR	11		1628, 29	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470		<del> </del>
Q806	XN4501	TRANSISTOR-RESISTOR	1		1631	ERJ3GEYOROO	M. RESISTOR CH 1/18W 0	1	
					1632	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	<del></del>
QR301	UN5213	TRANSISTOR-RESISTOR	1	R	8633, 34	ERJ3GEYJ102	M. RESISTOR CH 1/18W 1K	2	<del></del>
QR801	XP4312	TRANSISTOR-RESISTOR	1	R	R635, 36	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	2	:
				R	R637	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
821	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R638	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	
		M. RESISTOR CH 1/16W 0	,		1639, 40	ERJ3GEYOROO	M. RESISTOR CH 1/18W 0	2	
	ERJ3GEYOROO		1		R641	ERJ3GEYJ331	M. RESISTOR CH 1/18W 330	-1	
R104	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	- 1					-	
R107-14	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	8		R642	ERJ3GEYOROO		,	
R203	ERJ3GEYJ823	M. RESISTOR CH 1/16W 82K	1		R645	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	-	
R204	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	1	R	R646, 47	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	2	<u> </u>
R205	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R	R648, 49	ERJ3GEYG152	M. RESISTOR CH 1/18W 1.5K	2	4
R206	ERJ3GEYJ101	M. RESISTOR CH 1/16W 100	1	R	R650	ERJ3GEYJ821	M. RESISTOR CH 1/16W 820	1	
R207	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	R	R651	ERJ3GEYJ223	#. RESISTOR CH 1/16# 22K	1	
R208	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R	R652, 53	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	
R213	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1	R	R654	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1	
	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2. 2K	1	R	R655	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	
R216	-		+;		R656	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	1	
R217	ERJ3GEYG882	M. RESISTOR CH 1/16W 6. 8K	+ '		R658	VRE0071E102	M. RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	+				M. RESISTOR CH 1/16W 3. 3K	-	
R221	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1		R660	ERJ3GEYG332		-	
R266	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1		R661	VRE0071E472	M. RESISTOR CH 1/16W 4.7K	<u> </u>	
R268	ERJ3GEYJ684	M. RESISTOR CH 1/16W 680K	1	R	R663	VRE0071E102	M. RESISTOR CH 1/16W 1K	-	
R272	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	R	R665	ERJ3GEYG332	M. RESISTOR OH 1/16W 3. 3K		
R274	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	l R	R666	VRE0071E471	M. RESISTOR CH 1/16W 470	1	
R276	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R667	ERJ3GEYOROO	W. RESISTOR CH 1/16W 0	1	
R278	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R668, 69	VRE0071E241	M. RESISTOR CH 1/18W 240	2	2
R280	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R671	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	
R282	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R675, 76		M. RESISTOR CH 1/16W 1K	2	
		M. RESISTOR CH 1/16W 33K	1		R677		M. RESISTOR CH 1/16W 27K	1	
R285	ERJ3GEYJ333		+:	<u> </u>	R678, 79	VRE0071E183	M. RESISTOR CH 1/18W 18K	2	<del></del>
R286	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1W	+!		R680		M. RESISTOR CH 1/16W 27K	1	
R287	ERJ3GEYJ223	M. RESISTOR CH 1/16W 22K	1			VRE0071E273		<u>'</u>	
R288	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1		R681	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
R303	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R682	VRE0071E102	M. RESISTOR CH 1/16W 1K	<u> </u>	<del> </del>
R307~09	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	3		R683	VRE0071E121	M. RESISTOR CH 1/16W 120	1	
R316, 17	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	R	R684	VRE0071E221	M. RESISTOR CH 1/16W 220	1	
R321	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1	R	R685	VRE0071E332	M. RESISTOR CH 1/16W 3. 3K	_1	
R323	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R686	ERJ3GEYG332	M. RESISTOR CH 1/16W 3.3K	_ 1	
R330	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R687, 88	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	!
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2		R690	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	1	
R332, 33			1		R695	VRT014182150		1	
R335	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	+:			-	M. RESISTOR CH 1/16W 1. 3K	۲,	,
R336	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	+		R696, 97	VRE0071E132		۴	
R337	ERJ3GEYJ105	M. RESISTOR CH 1/16W 1M	11	<u> </u>	R698	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	<del> </del>
R346	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R700	ERJ3GEYG472	M. RESISTOR CH 1/16W 4.7K	1	
R347	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	R	R701	ERJ3GEYJ122	M. RESISTOR CH 1/16W 1.2K	1	<del> </del>
R370	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1	R	R703	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	_1	
R401-08	EXB24V151JX	COMBI. R-R 150	8	R	R706, 07	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2	!
R409	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1		R801	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5.6K	1	
	ERJ3GEYJ562	M. RESISTOR CH 1/16W 5. BK	1		R802	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1	
R410			+ ;		R805	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	1	<b>†</b>
R411	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	+-					+	
R412	ERJ3GEYJ153	M. RESISTOR CH 1/16W 15K	1		R806	ERJ3GEYJ102		+	<del> </del>
R413	ERJ3GEYJ222	M. RESISTOR CH 1/16W 2.2K	11		R807	ERJ3GEYJ471	M. RESISTOR CH 1/16W 470	1	<del> </del>
	Inc. 10 and 1004	M. RESISTOR CH 1/16W 390	3	R	R808	VRE0071E152	M. RESISTOR CH 1/16W 1.5K	1	<del></del>
R414-16	ERJ3GEYJ391					IND MACY 1994	IN DECLATOR OUT 1 /10W COO	1	-
	ERJ3GEYG152	M. RESISTOR CH 1/16W 1.5K	1	R	R810	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390		

D. C. M.									70 DZ001
	Part No.	Part Name & Description	one.	Remarks	Ref. No.	Part No.	Part Name & Description	Pes	Remarks
Ref. No.		M. RESISTOR CH 1/16W 0	. 1	Nomer no	210211101				
		M. RESISTOR CH 1/16W 560	1						
-									
		M. RESISTOR CH 1/16W 47			1				
R814 E		M. RESISTOR CH 1/16W 6.8K	1						
R815 E	ERJ3GEYJ470	M. RESISTOR CH 1/16W 47	1						
	ERJ3GEYJ330	M. RESISTOR CH 1/16W 33	1		1				
****		M. RESISTOR CH 1/16W 2.2K	1						
			1						
			-11					-	
R819 \	VRE0071E680	M. RESISTOR CH 1/16W 68	1		<b></b>			_	
R820	ERJ3GEYJ102	M. RESISTOR CH 1/16W 1K	1						
R821	ERJ3GEYJ391	M. RESISTOR CH 1/16W 390	1	* 1			·		
		M. RESISTOR CH 1/16W 680	1						
		M. RESISTOR CH 1/16W 1.8K	1						
-								_	<del> </del>
		M. RESISTOR CH 1/16W 68	1						
R827	ERJ3GEYJ103	M. RESISTOR CH 1/16W 10K	1					_	
R828	ERJ3GEYJ224	M. RESISTOR CH 1/16W 220K	1						
R829	VRE0071E912	M. RESISTOR CH 1/16W 9.1K	1						
		M. RESISTOR CH 1/16W 8, 2K	1						
		M. RESISTOR CH 1/16W 1K	2					_	
			_					-	
	VRE0071E561	M. RESISTOR CH 1/16W 560	1			ļ		_	
R836	VRT014116250	THERMISTOR	1						
R837	VRE0071E101	M. RESISTOR CH 1/16W 100	1					_	
	ERJ3GEYJ331	M. RESISTOR CH 1/16W 330	1.					L	
		M. RESISTOR CH 1/16W 0	1						
	VRE0071E561	M. RESISTOR CH 1/16W 560	1						1
		M. RESISTOR CH 1/16W 68	1		1				
	VRE0071E680		<u> </u>					-	
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	2		1			-	
R909	ERJ3GEYJ221	M. RESISTOR CH 1/16W 220	1					_	
R910	VRE0071E111	M. RESISTOR CH 1/16W 110	1						
		M. RESISTOR CH 1/16W 0	1						
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1						
			8					_	
	EXB24V151JX					<b> </b>		-	
	EXB24V151JX	COMMEIL R-R 150	8					<u> </u>	
R946, 47	ERJ3GEY0R00	M. RESISTOR CH 1/16W 0	2						
R948, 49	ERJ3GEYJ151	M. RESISTOR CH 1/16W 150	2						
R950-52	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	3						
	ERJ3GEYOROO	M. RESISTOR CH 1/16W 0	1						
N834	Choode, oto								
	ruceci)	TEST POINT	1					-	l
	EYF6CU	TEST POINT	<u> </u>		-				
TG801	EYF6CU	TEST POINT	1						
					1				
TP201-03	EYF6CU	TEST POINT	3						
	EYF6CU	TEST POINT	1		1			L	
	EYF6CU	TEST POINT	3						
	EYF6CU	TEST POINT	3						
			4						
TP801-04	EYF6CU	TEST POINT	-4		<b> </b>				
								_	
VC801	VCV0047	TRIMMER	1						
								L	
VR201	EVM7JGA00B14	V. RESISTOR 10K	1						
	EVM7JGA00B53		1						
			1						
	EVM7JGA00B13		<u> </u>		-			-	
	EVM7JGA00B22							_	
***************************************	EVM7JGA00B13		_1					_	ļ
VR607	EVM7JGA00B14	V. RESISTOR 10K	1						
	EVN7JGA00B53	V. RESISTOR 5K	1						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EVM7JGA00B23		2						
	EVM7JGA00823		- 1						
			2		J	-		-	
	EVM7JGA00B13		_						
VR804	EVM7JGA00B23	V. RESISTOR 2K	1						
,									
	VSX0677	IODVOTAL OCCULLATOR	1						
X201	10/0017	CRYSTAL OSCILLATOR	_						
	VSX0891	CRYSTAL OSCILLATOR	1		L				
			1				· · · · · · · · · · · · · · · · · · ·		
			1					_	
X201 X301			1						
			1						
			1						
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			1						

### Supplement to the Service Manual

**Broadcast Product** 

### Subject: Mechanical Chassis Unit Supply Information

gether with the Service Manu	ial as follows:	
Bulletin No.	Order No.	Effective from
	VSD9606M501A	
	VSD9708M604	-
11		****
	gether with the Service Manu Bulletin No. 53 11	53 VSD9606M501A

Mechanical Chassis Assembly (2)

To improve the serviceability and manufacturing productivity, the Mechanical Chassis unit is supplied with the Cassette Compartment Unit as follows.

AJ-D700/D	800				
Part Number Ref. No.	Original Part No. VXY1229	New Part No. VXY1229	Part Name & Descriptions MECHANICAL CHASSIS U	Pcs 1	Remarks

#### AJ-D200

AJ-D200					
Part Number		- 12	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No. VXY1287	New Part No. VXY1287	MECHANICAL CHASSIS U	1	
	VATILET				

TM3549TM3614



## Supplement to the Service Manual

**Broadcast Product** 

Subject : Addition of	of Tape Guide	f-llows '	fom
Please use this supplement to Model No. AJ-D700E/EN AJ-D800E/EN AJ-D200HE	116 78 39	Order No.  VSD9606M501A  VSD9708M606A  VSD9708M604  Dassis Assembly (2)	Effective from L8TKA0001 L8TKA0001 L8TKA0001

Mechanical Chassis Assembly (2)

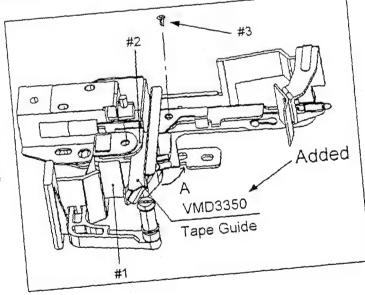
Symptom: The RF signal may be recorded only at the exit side of RF envelope.

: If the power is turned OFF during the tape loading, the tape may slack by the timing of turning off. If the unit is vibrated by the tape slack, the tape may take off from the S1 and S4 posts. Jause

Remedy: To prevent the tape from taking off from the post, Tape Guide (VMD3350) is added over the tension

tage from taking off f	tom the board	
Remedy: To prevent the tape from taking off to post even if the tape is slacked.		
post even if the tape	intions	Pcs Remarks
	Part Name & Descriptions	0->1
Part Number New Part No. New Part No. VMD3350	TAPE GUIDE	
Ref. No. Original Part No. VMD3350		
60		9 _

- 2. Install the Tape Guide (VMD3350) between #1
- 3. Tighten the screw #3 loosely with the Tape Guide and tighten the screw #3 firmly pushing the Tape Guide to an arrow direction (A).
- 4. Confirm that the clearance between T1 post and T1 Guide is within specification. If it is out of specification, adjust the clearance according to <T1 Guide Position Adjustment> of the Service Manual.



M1669TM4015

Panasonic

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### Supplement to the Service Manual

**Broadcast Product** 

Subject: Improvement of Photo Sensor Voltage Adjustment Range

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

VSD9708M604

L7TKA0001

Board : Servo (VEP82212B)

V19921# 1030051

Symptom: Tape beginning/end detection level cannot be adjusted.

Cause

: There is a little allowance of the adjustment range against the circuit tolerance.

Remedy : To improve the Photo Sensor Voltage Adjustment, the following modification is performed.

1). Resistor R553 is changed from 1/16W,  $470\Omega$  to 1/16W,  $220\Omega$  on the foil side. (A-3)

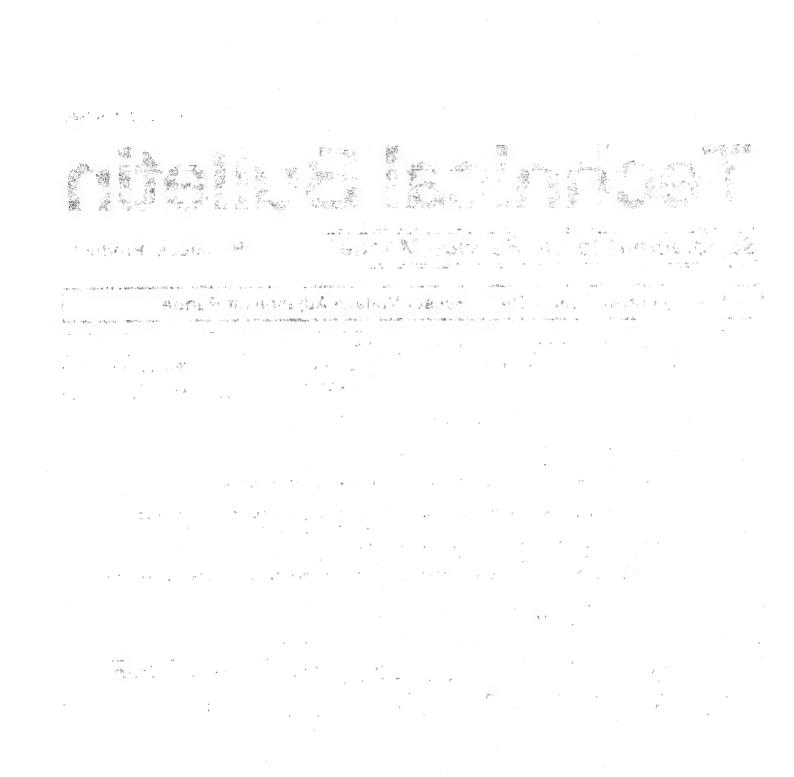
2). Variable resistor VR503 is changed on the foil side. (A-3)

3). Variable resistor VR504 is changed on the foil side. (A-3)

4). According to this change, the adjustment values of TP503 and TP504 are changed as follows.

TP503 (Vs) is  $3.2V \pm 0.8V$ TP504 (Vt) is  $3.2V \pm 0.8V$ 

Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No. R553 VR503	L 4 141 / 0 0 / (0 0 0		M. RESISTOR CH 1/16W 220 V. RESISTOR	1 1 1	
VR504	EVM7JSX30B53	EVM/JSX30B24	V. INEGIGTOR		



### Supplement to the Service Manual

**Broadcast Product** 

Subject: Software Version Up Grade

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

52

VSD9708M604

L7TKA0001

Board: Servo (VEP82212B)

The following software has been up-dated to add the functioning of the VTR.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
IC501	MN6755486H8M	MN6755486H8P	IC	_	

Ref. No.	Schematic	Diagram	P.C. Board		
	Page	Area No.	Page	Area No.	
IC501	SCM-31	D~H-7~10 (5/10)	CBA-3	C-3 (C)	

#### < Improvement of Performance >

1. Tape damage may occur during loading mode. It is improved.

When the power is turned OFF, the tape stopping is delayed. It causes the tolerance of circuit adjustment.
 It is improved.

3. When the mode is changed, the tape may be loosened. It is improved.

• 

## Technical Bu

## Supplement to the Service Manual

**Broadcast Product** 

### Subject: Addition of Screw Adhesive

lease use this supplement toge	ether with the Service Mani	ual as follows:	
	Bulletin No.	Order No.	Effective from
Model No.	65	VSDD9708M604	I9TKA0001
AJ-D200E <b>▼</b>	, 2	VSD9904M007	I9TKA0001
AJ-D215HE		14	V19921# 1030051

Frame Assembly (1) Frame Assembly (2)

U24892# 2023M2

Symptom: The screws on the Frame Assembly (1) and (2) sections may be loosened.

Remedy: Screw adhesive is applied to the screws on the Frame Assembly (1) and (2) sections.

- 1. Regarding the locations of the adhesive application to the screws on the Frame Assembly (1) and (2) sections, refer to the next page.
- 2. Specification of screw adhesive application
  - * Approx. 0.02g of the adhesive must be applied to the surface of the thread from the tip to the half of the thread section.
  - After applying the adhesive, check that it covers the visible area on the thread.



Apply adhesive to the half of the thread section.

TM4211TM4226TM4229:3

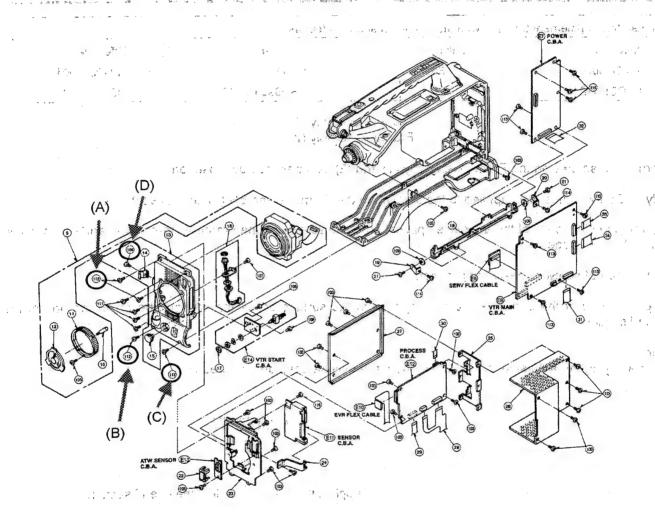
#### **Adhesive Application Positions**

Secretary Williams

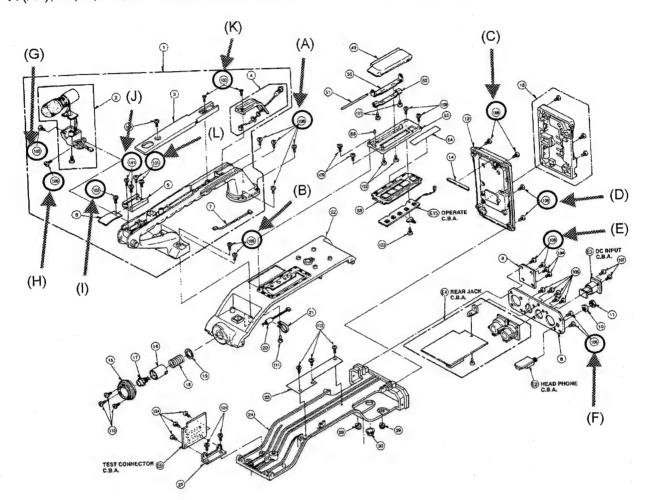
- 1) Frame Assembly (1) ... 5 positions
- 2) Frame Assembly (2) ... 23 positions

#### Reference Exploded Views of Adhesive Application Locations

- * As per the Exploded Views of Service Manual
- 1). Frame Assembly (1) (Application locations) A (X2), B (X1), C (X1), D (X1)



Frame Assembly (2)
 (Application locations)
 A (X4), B (X2), C (X2), D (X2), E (X2), F (X2), G (X1), H (X1), I (X1), J (X2), K (X2), L(X2)





### Supplement to the Service Manual

**Broadcast Product** 

### Subject: Countermeasure for Damage of Cylinder Driver IC

Please use this supplement t	ogether with the Service Manu	al as follows :	
	Bulletin No.	Order No.	Effective from
Model No.	60	VSD9708M604	B9TKA0001
AJ-D200HE	60		

Board: Servo (VEP82212B) VM_LIMIT (VEP80B09A)

Symptom: When recording after condensation is released, E SLACK (CYL NG) may occur.

Cause

: The driver IC may be damaged due to the following conditions.

1). Due to the repetition of starting of cylinder rotation or switching of modes (rotation speeds).

2). Tape sticks to the cylinder in the reduced condensation that is not detected yet and the cylinder phase is swung right and left. Then excessive fluctuation of load is brought to the driver IC.

3). The drive current is supplied to the cylinder even if the cylinder is locked due to the condensation. * This phenomena occurrence may increase when the Menu Setting "HUMID OPE" is set to ON.

Remedy: 1). The VM_LIMIT P.C. Board (which limits the voltage applied to the motor driver) is added.

2). Resistor R218 (ERJ8GCYG681) is deleted from the foil side.

* Note *When this modification is introduced, IC202 (MDC05) must be replaced with a new one at the same time. Because it may be fatigued by overload.

Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	M.RESISTOR CH 1/8W 680	1→0	
R218	ERJ8GCYG681		VM LIMIT P.C. BOARD	0→1	
		VEP80B09A	C.CAPACITOR CH 25V 0.1U	0→1	
C1		ECUX1E104KBN	IC	0→1	
IC1		TA75W393FU	TRANSISTOR	0→2	
Q1, Q2		2SD1820R	TRNSISTOR-RESISTOR	0→1	
QR1	-	UN5213 ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	0→1	
R1		ERJ3GET3123 ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	0→1	
R2		ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	[0→1]	
R3		ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	0→1	
R4		ERJ3GEYJ103	M RESISTOR CH 1/16W 10K	0-2	
R5, R6		ERJ3GEYJ393	M RESISTOR CH 1/16W 39K	0→1	
R7		ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	0→2	
R8, R9 R10		ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	0→1	

#### Installation of VM LIMIT P.C. Board for Servo P.C. Board (VEP82212B) (for models AJ-D200HE)

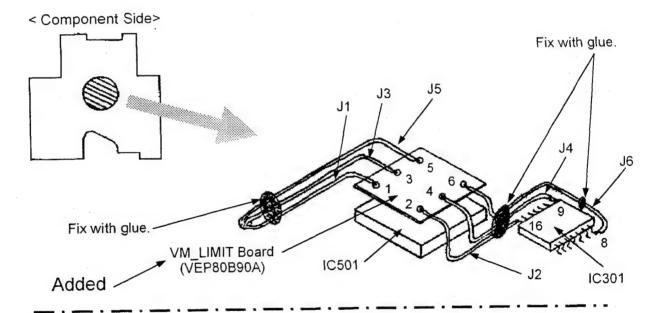
1. Attach the VM_LIMIT P.C. Board on IC501 with adhesive tape.

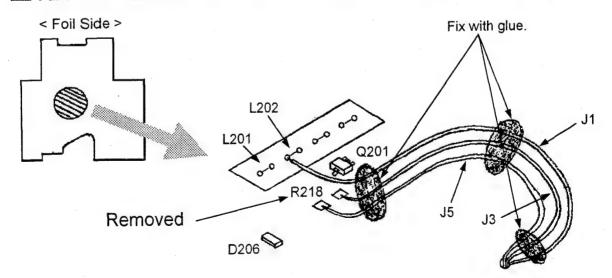
2. Connect the jumper wires (J2, J4 and J6) from the terminals (2), (4) and (6) on the VM_LIMIT P.C. Board to the pins #16, #9 and #8 of IC301 respectively as shown below.

3. Remove R218 (1/8W,  $680\Omega$ ) from the foil side.

4. Connect the jumper wires (J1, J3 and J5) from the terminals (1), (3) and (5) on the VM_LIMIT P.C. Board to the land of L202 (near L201 side), the land of R218 (near Q201 side) and the other land of R218 respectively as shown below.

VM	LIMIT Board	Servo Board
	terminal (1)	land of L202 (near L201 side) <foil side=""></foil>
	terminal (2)	pin #16 of IC301 < component side>
	terminal (3)	land of R218 (near Q201 side) <foil side=""></foil>
	terminal (4)	pin #9 of IC301 < component side>
	terminal (5)	land of R218 (far from Q201 side) <foil side=""></foil>
	terminal (6)	pin #8 of IC301 < component side>





### Supplement to the Service Manual

**Broadcast Product** 

Subject: Standardization of S RAM IC

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

56

VSD9708M604

F8TKA0001

Board: VTR Main (VEP83356B)

V19921 # 1030051

Reason for Change

☐ The following part(s) has (have) been changed for serviceability improvement.

The following part(s) has (have) been changed for productivity improvement.

■ The following part(s) has (have) been changed for standardization.

The following part(s) has (have) been changed for the safety regulation.

		-				
Part Number			Part Name 8	Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No. KM68V1CLTE7L	IC Part Name of	Decemparation	1	
IC6012 IC6018	KM68V1BL KM68V1BL	KM68V1CLTE7L	IC		1 1	

### Supplement to the Service Manual

**Broadcast Product** 

### Subject : Reduction of Audio Pop Noise

Please use this supplement to	ogether with the Service Manu	ıal as follows :	
	Bulletin No.	Order No.	Effective from
Model No.		VSD9708M604	C8TKA0001
AJ-D200HE	55	A2D3109M904	

Board: VTR Main (VEP83356B)

Symptom: Audio pop noise may occur.

Cause

: When the power is turned ON and then OFF, the phase of audio frame pulse and audio clock is not fixed. Then latch timing failure may occur in the LSI and audio sample number in 1 frame becomes irregular. It results in audio pop noise.

Remedy: To reduce the audio pop noise, the following modification is performed.

1). Float the leg of pin #13 of IC33 and then cut it on the foil side as shown in figure 1.

2). Connect a jumper wire between pin # 12 of IC33 and the CTP land (near pin #12 of IC6) on the foil side as shown in figure 1.

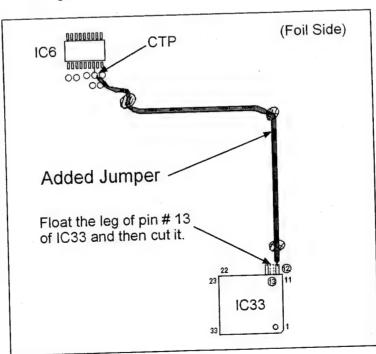


Fig. 1

10909TE5236

### Supplement to the Service Manual

**Broadcast Product** 

Subject: Software Version Up Grade

Please use this supplement together with the Service Manual as follows:

Order No.

Effective from

Model No.

Bulletin No.

VSD9708M604

AJ-D200HE

53

B8TKA0001

Board: VTR Main (VEP83356B)

The following software has been up-dated to add the functioning of the VTR.

Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	VTR SYSCON FLASH ROM Ver.1.15	1	
IC6001	VSI2688	VVVSI2688B	VIRGIGOUNTERON		

#### < TEST MENU >

* VTR SYSCON IC6001 : 1.15

The marked (*) version is the device which has been changed from this software revision.

Symptom: When the power is turned OFF, the power supply still works. And then, when the power is turned

ON after for a while, the unit rejects any movement.

Cause

: Software bugs.

Remedy: To prevent it, the VTR System Control software (Flash Memory ROM) is up-graded to version 1.16.

#### < Other Improvement of Performance >

1. When the ABB is not performed during AWB mode, error display is not appeared. It is displayed.

10655TE508410828TE5192

*

#### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Standardization of Capacitor

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

50

VSD9708M604

K7TKA0001

Board: V DEF (VEP27087A)

#### Reason for Change

- The following part(s) has (have) been changed for serviceability improvement.
- The following part(s) has (have) been changed for productivity improvement.
- The following part(s) has (have) been changed for standardization.
- The following part(s) has (have) been changed for the safety regulation.

inal Part No. N	lew Part No.	Part Name & Descriptions	Pcs	Remarks
GC1BA4R7 EC	GC1BB4R7	C. CAPACITOR 12V 4.7P	1	

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
C7005	SCM-45	C-5	CBA-8	



#### Supplement to the Service Manual

**Broadcast Product** 

Subject: Improvement of 3.6V Adjustment

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

40

VSD9708M604

K7TKA0001

Board: Power (VEP81179A)

To improve the 3.6V Adjustment, resistor R1021 is changed from 1/10W,  $4.3K\Omega$  to 1/10W,  $5.6K\Omega$  on the foil side as follows.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
R1021	VRE0034E432	ERJ6RBD562	M. RESISTOR CH 1/10W 5.6K	1	

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
R1021	SCM-41	C-12 (1/3)	CBA-4	A-3 (F)

### Supplement to the Service Manual

**Broadcast Product** 

Subject: Improvement of Audio Monitor Level

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

VSD9708M604

J7TKA0001

Board: Monitor VR (VEP80A18A)

Symptom: Audio sound may not be heard when the audio volume is rotated less than 5 scale.

Cause

: Increase of audio monitor level is not linear.

Remedy : To improve it, variable resistor VR9200 is changed from VRV0080 to VRV0270 on the component

side.

Part Number			Part Name & Descriptions	Pcs	Remarks			
Ref. No.	Original Part No.	New Part No.	V. RESISTOR	1				
VR9200	VRV0080	VRV0270	V. RE313 TOR					

## Supplement to the Service Manual

**Broadcast Product** 

### Subject : Correction in Parts Number List

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

VSD9708M604

Board: VTR Main (VEP83356B) Pre Shuffle (VEP83357A)

#### VTR Main Board

VTR Main	Board				
Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	C. CAPACITOR	1	
C4062	VCE0200331	VCE0200	C. CALACTION		

#### Pre Shuffle Board

Pre Shuffle	Board				
Part Number		D 4N:	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	C CAPACITOR	1	
C830	VCE0200331	VCE0200	C. CAPACITOR	4	

## Supplement to the Service Manual

**Broadcast Product** 

Subject: Improvement of ALC Control during Auto Iris Mode

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

44

VSD9708M604

17TKA0001

Board: VTR Main (VEP83356B)

Symptom: Proper ALC control may not be performed during Auto Iris mode.

: Dispersion of Analog voltage is wide due to the coarse accuracy of the resistor.

Remedy : To improve the ALC control, resistors R6011 and R6016 are changed to high accuracy resistors as

follows.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
R6011	ERJ3GEYJ153	ERJ3RBD153	M. RESISTOR CH 1/16W 15K	1	
R6016	ERJ3GEYJ103	ERJ3RBD103	M. RESISTOR CH 1/16W 10K	1	

Ref. No.	Schematic Diagram		P.C. Board		
1.0	Page	Area No.	Page	Area No.	
R6011	SCM-23	D-2 (16/19)	CBA-2	B-2 (F)	
R6016	SCM-23	D-3 (16/19)	CBA-2	B-1 (F)	

### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Reduction of Vertical Line Noise

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

VSD9708M604

17TKA0001

Board: Process (VEP23422B)

Symptom: Vertical line noise may appear.

Cause

: Due to the noise from IC.

Remedy: To reduce the vertical line noise, the following modification is performed.

1). Coil L318 (VLP0154) is removed from the foil side.

2). Resistor (1/16W,27 $\Omega$ ) is added after the removing portion of L318 on the foil side.

3). After this modification, specification of DC Voltage Adjustment is changed from 3.15  $\pm$  0.01V to 3.10 + 0.01V/-0.00V on the Service Manual Page 4-2 as shown below.

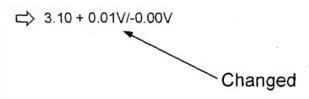
Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
	VEP23422A	VEP23422B	PROCESS P.C.BOARD	1	
L318	VLP0154	ERJ3GEYJ270	M. RESISTOR CH 1/16W 27	1 1	

Ref. No.	Schemati	Schematic Diagram		P.C. Board		
	Page	Area No.	Page	Area No.		
L318	SCM-7	1-21	CBA-7	D-7 (F)		

#### 1. Power

1-1. DC Voltage Adjustment

1-1. Do Voltago / tajaotinont							
ITEM	TEST	ADJUST	SPEC.				
3.15V ADJ.	*TP9	VR5	3.15 ± 0.01V				
3.6V ADJ.	TP4	VR3	$3.6 \pm 0.05 V$				
5.0V ADJ.	TP5	VR2	$5.0 \pm 0.05 $ V				
5.6V ADJ.	TP3	VR1	5.6 ± 0.05V				
-5.6V ADJ.	TP8	VR6	-5.6 ± 0.51V				
9.0V ADJ.	TP6	VR4	9.0 ± 0.05V				
48V Confirm	TP9		$44.0 \pm 4.0 V$				



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## Supplement to the Service Manual

**Broadcast Product** 

## Subject: Improvement of PCM Audio Mute under High Temperature

Please use this supplement together with the Service Manual as follows: Effective from Order No. Bulletin No. Model No. 17TKA0001 VSD9708M604 41 AJ-D200HE

Board: Video Main (VEP83356B)

Symptom: PCM Audio noise may be muted under high temperature. (40°C)

: Audio VCO PLL may not be locked under high temperature. It results in PCM Audio mute. Cause

Remedy : To prevent the PCM Audio mute, the following modification is performed.

1). Resistor R70 (VTR0145) is removed from the foil side as shown in figure 1. 2). Resistor R71 is changed from  $1.5 \text{K}\Omega$  to  $3 \text{K}\Omega$  on the foil side as shown in figures 1 and 2.

3). One side legs of resistors R70 and R79 are cut to 5mm and then bent them as shown in figure 2.

4). The other side legs of them are soldered as shown in figure 2.

5). Attach the insulation sheet on the foil side as shown in figure 2.

6). No soldered side of resistor R70 is installed to R183 as shown in figure 2.

7). No soldered side of resistor R79 is installed to R71 as shown in figure 2.

* Note * When the resistors R70 and R79 are bent after soldered to chip resistors (R71 and R183), the electrode may be peeled off. Be sure legs of resistors R70 and R79 must be bent before soldering.

8). After this modification, 2-3. AUDIO VCO Adjustment is required. Please refer to the Service

Manual Page 4-2.

Part Number				Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	1	Kemano
R71	ERJ3GEYJ152	LINOUGE	M. RESISTOR CH 1/16W 3K THERMISTER	0→1	
R79		VRT0145	THERWIOTER		

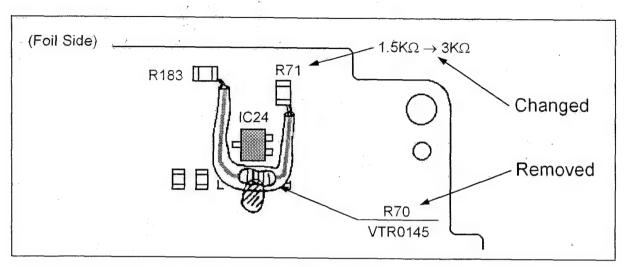


Fig. 1

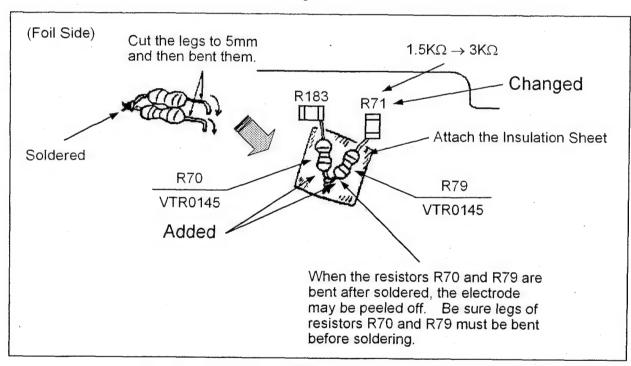


Fig. 2

### Supplement to the Service Manual

**Broadcast Product** 

Subject: Change of ROM Type

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

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VSD9708M604

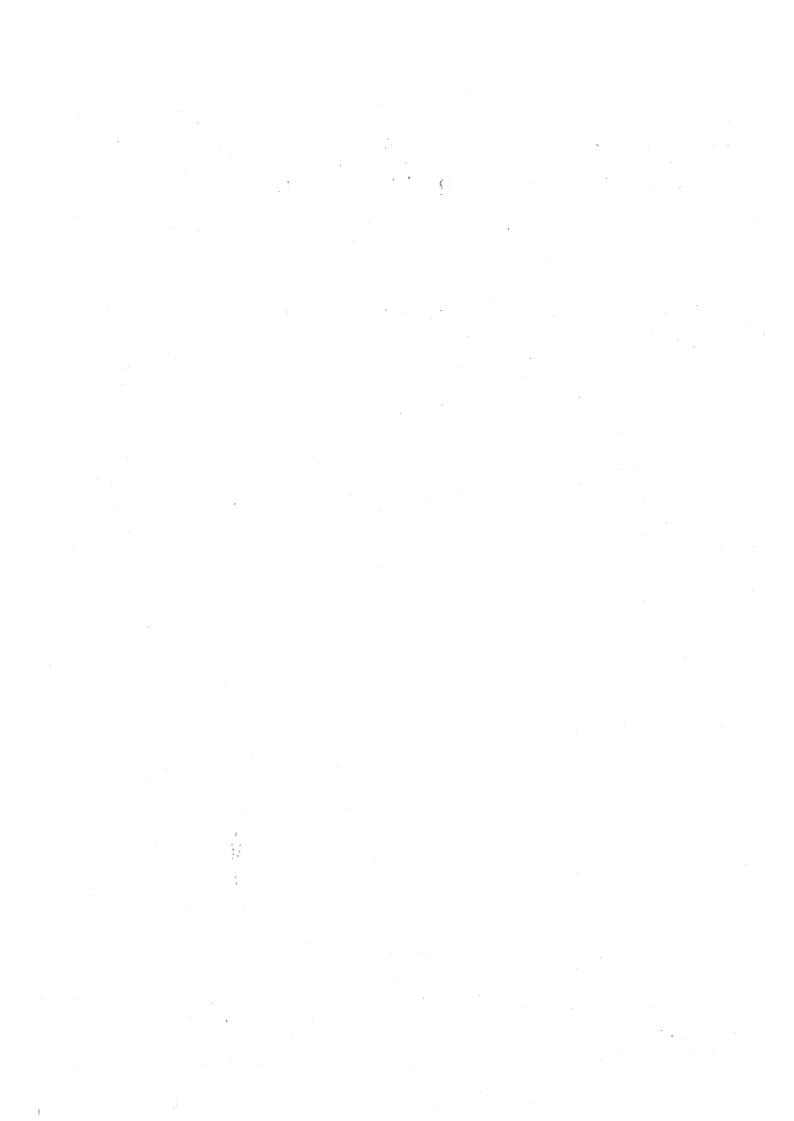
17TKA0001

Board: Servo (VEP82212B)

To improve manufacturing productivity, IC501 is changed from one time memory type PROM to masking type PROM.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
IC501	VSI2407B	MN6755486H8M	IC	1	

Ref. No.	Schematic Diagram		P.C. Board	
	Page	Area No.	Page	Area No.
IC501	SCM-31	D~H-7~10 (5/10)	CBA-3	C-3 (C)



## Supplement to the Service Manual

**Broadcast Product** 

**Subject: Correction in Parts Number List** 

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

37

VSD9708M604

V19921#1030051

Packing Parts Assembly

Part Number		N. D. Ma	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No. VQT7284	OPERATING INSTRUCTIONS	1	
2	VQT7073	VQ17201			

Order No. VSD9710SE611

# Technical Bulletin

## Supplement to the Service Manual

**Broadcast Product** 

## Subject : Correction in Parts Number List

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

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VSD9708M604

Frame Assembly (1) Frame Assembly (2)

#### Frame Assembly (1)

Frame Ass	sembly (1)				
Part Number		L D AND	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	C.B.A. SUPPORT ANGLE	1	
25	VSC4644	VMP5372 VSC4644	SHIELD CASE (1)	1	
26	VMP5372	V3C4044			

#### Frame Assembly (2)

Flairie Ass	Cilibity (=)				
Part Number		D. AND	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No. XYE3+EF6R	SCREW	0→3	
124		VIE34CLOU	00		

### Supplement to the Service Manual

**Broadcast Product** 

#### **Subject: Improvement of Reel Motor Unit**

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

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VSD9708M604

F8TKA0001

#### Mechanism Chassis Assembly (1)

Symptom: Reel Table may take off.

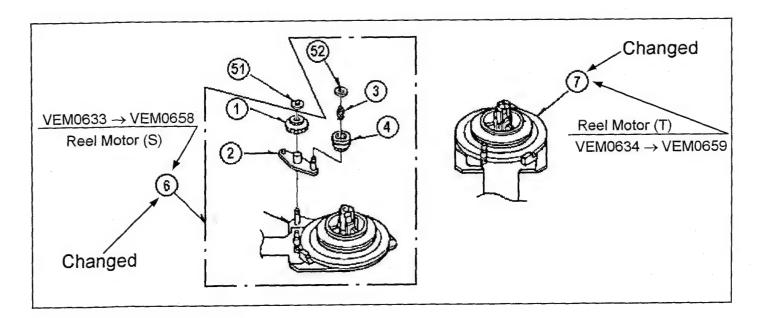
Cause : Brake Arm may get under the Reel Table and the stator coil covering may be broken by it, then rare

short may occur. It results in Reel Table come off.

Remedy: To prevent it, the Rotor Stopper is added to the Reel Motor (S) and (T). And the Reel Motor (S) and

(T) are changed as follows.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
6	VEM0633	VEM0658	REEL MOTOR (S)	1 1	•
7	VEM0634	VEM0659	REEL MOTOR (T)	111	



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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Improvement of Main Cam Arm Unit

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

33

VSD9708M604

D8TKA0001

#### Mechanical Chassis Assembly (2)

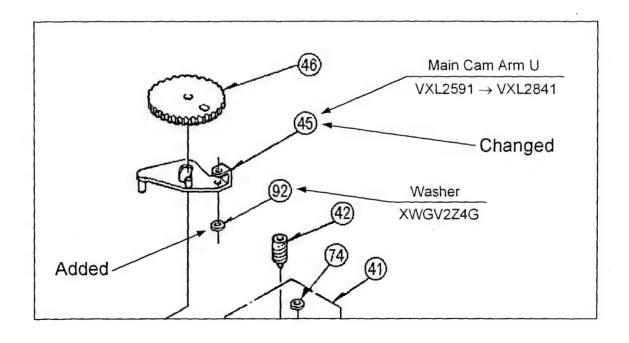
Symptom: U-shaped portion of the Main Cam Arm Unit may be broken when the loading is repeated.

: Due to the lack of material strength.

Remedy: To prevent it, the Main Cam Arm Unit is changed from VXL2591 to VXL2841 and the washer

(XWGV2Z4G) is added under the Main Cam Arm Unit as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
45	VXL2591	VXL2841	MAIN CAM ARM U	1	
92		XWGV2Z4G	WASHER	0→1	



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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Improvement of Pinch Roller

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

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VSD9708M604

C8TKA0001

#### Mechanical Chassis Assembly (2)

Symptom: Pinch Roller may be cracked.

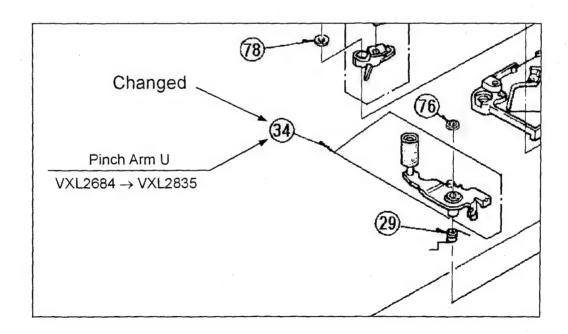
Cause

: Due to the lack of plasticizer from the Pinch Roller rubber and atmosphere. (Ozone) It results in

Pinch Roller crack.

Remedy: To prevent it, the Pinch Arm Unit is changed from VXL2684 to VXL2835 as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
34	VXL2684	VXL2835	PINCH ARM U	1	



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## Supplement to the Service Manual

**Broadcast Product** 

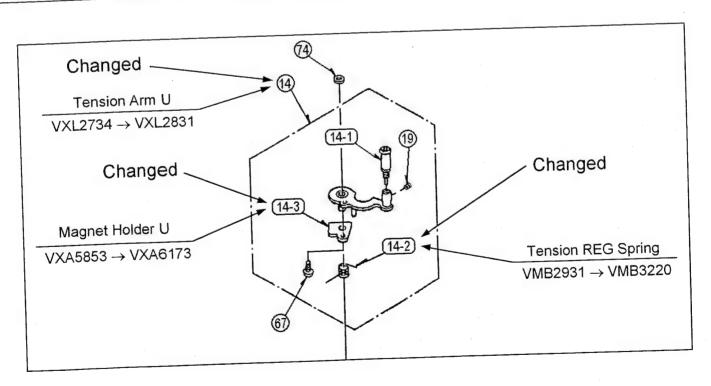
## Subject : Improvement of Tension Leg Spring

Please use this supplement t	agether with the Service Manu	al as follows :	
Please use this supplement of Model No.	Bulletin No.	Order No.	Effective from A8TKA0001
AJ-D200HE	21	VSD9708M604	Autivaces

#### Mechanical Chassis Assembly (2)

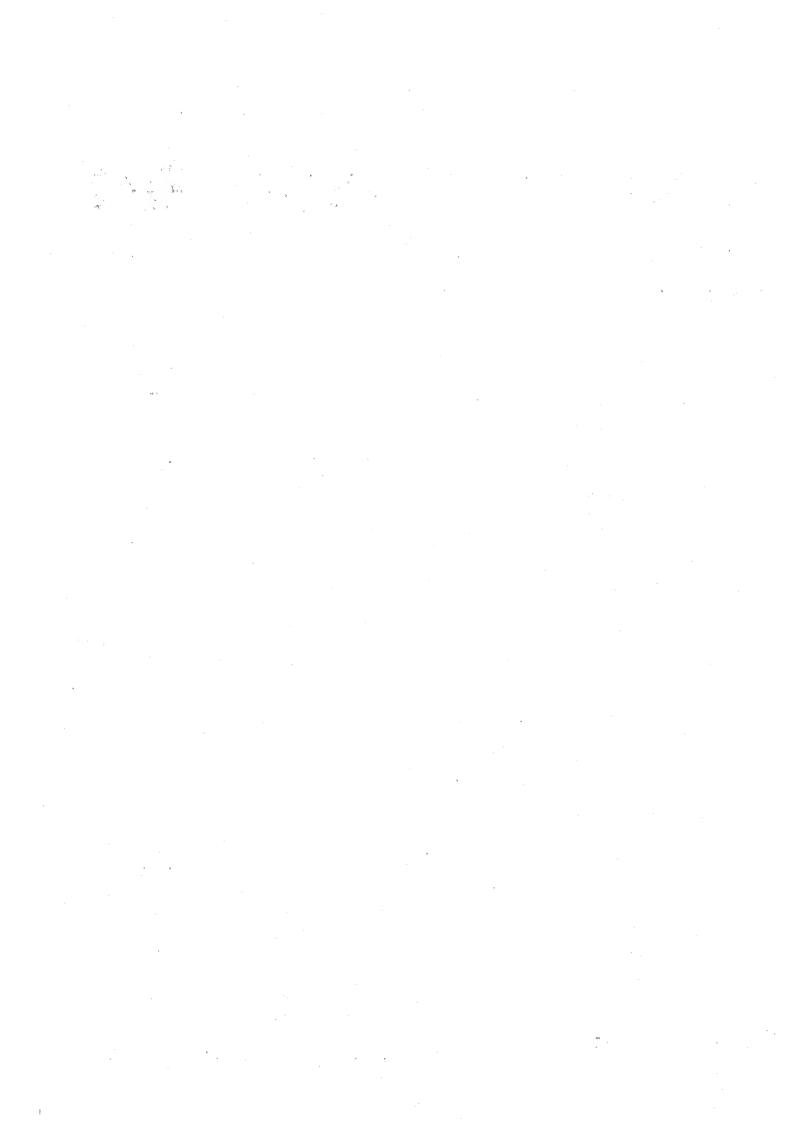
To reduce the coil portion wear of the Tension Regulator Spring, the Tension Regulator Spring is changed from VMB2931 to VMB3220 as shown below. According to this change, the Tension Arm Unit and Magnet Holder Unit are changed as shown below.

110.00					
Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No. 14 14-2 14-3	Original Part No. VXL2734 VMB2931 VXA5853	New Part No. VXL2831 VMB3220 VXA6173	TENSION ARM U TENSION REG SPRING MAGNET HOLDER U	1 1 1	



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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Change of Screw for Tension Sensor Unit

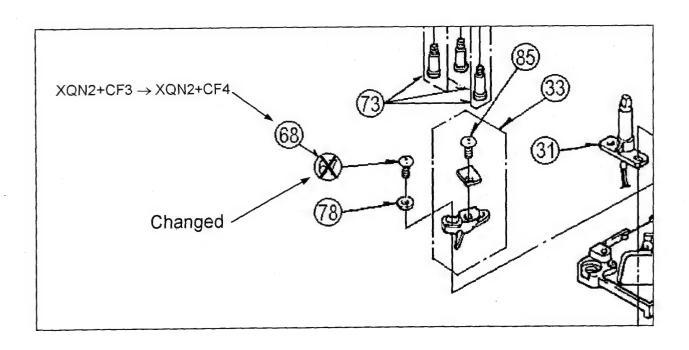
Please use this supplement together with the Service Manual as follows :							
Model No.	Bulletin No.	Order No.	Effective from				
AJ-D200HE	20	VSD9708M604	K7TKA0001				

#### Mechanical Chassis Assembly (2)

#### Reason for Change

- ☐ The following part(s) has (have) been changed for serviceability improvement.
- ☐ The following part(s) has (have) been changed for productivity improvement.
- The following part(s) has (have) been changed for standardization.
- ☐ The following part(s) has (have) been changed for the safety regulation.

Part Number						
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks	
67	XQN2+CF3		SCREW	1→0		
68		XQN2+CF4	SCREW	0→1		



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## Supplement to the Service Manual

**Broadcast Product** 

## Subject: Reduction of Click Sound from Cleaner Solenoid Unit

		-uel oo follows •	
Please use this supplement t	ogether with the Service Mai	Order No.	Effective from
Model No.	Bulletin No. 19	VSD9708M604	K7TKA0001
AJ-D200HE	19		

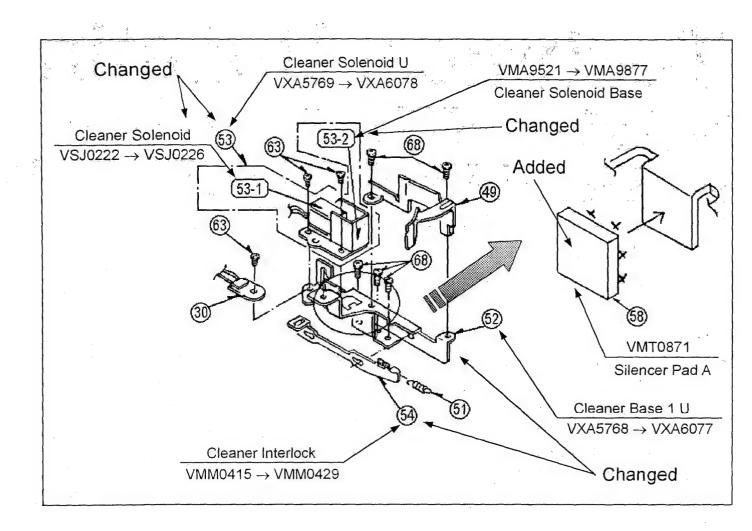
#### Mechanical Chassis Assembly (2)

Symptom: Click sound may be heard from the Cleaner Solenoid Unit when it functions.

Remedy: To reduce the click sound from the Cleaner Solenoid Unit, the Cleaner Solenoid is changed to the silencer type as shown below.

- 1). Change the Cleaner Base 1 Unit from VXA5768 to VXA6077.
- 2). Change the Cleaner Solenoid Unit from VXA5769 to VXA6078.
- 3). Change the Cleaner Solenoid from VSJ0222 to VSJ0226.
- 4). Change the Cleaner Solenoid Base from VMA9521 to VMA9877.
- 5). Change the Cleaner Interlock from VMM0415 to VMM0429.
- 6). Add a Silencer Pad A (VMT0871) to the Cleaner Base 1 Unit by adhesive as shown in figure 1.

Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No. 52 53 53-1 53-2 54 58	Original Part No.  VXA5768  VXA5769  VSJ0222  VMA9521  VMM0415	New Part No.  VXA6077  VXA6078  VSJ0226  VMA9877  VMM0429  VMT0871	CLEANER BASE 1 U CLEANER SOLENOID U CLEANER SOLENOID CLEANER SOLENOID BASE CLEANER INTERLOCK SILENCER PAD A	1 1 1 1 1 1 0→1	



## Supplement to the Service Manual

**Broadcast Product** 

Subject : Standardization of P.C. Board Fixing Screws

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

18

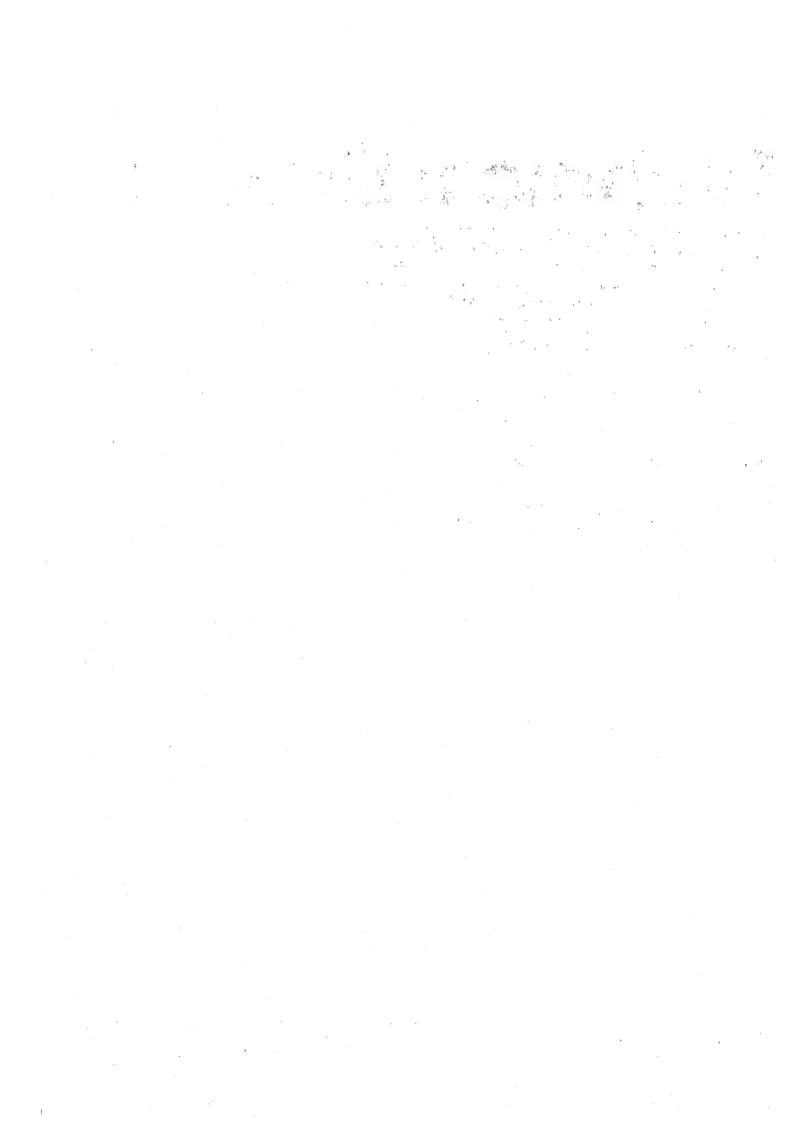
VSD9708M604

L7TKA0001

Frame Assembly (2)

To standardize the parts, the P.C. Board fixing screws to the Side Case (R) Unit are changed from XYN3+K6RS to XYN3+K8FR as shown below.

V1142-17	ONO TO THE				
Ref. No.	Original Part No. XYN3+K6RS	New Part No. XYN3+K8FR	Part Name & Descriptions SCREWS	Pcs 16	Remarks



### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Standardization of Lock Spring

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

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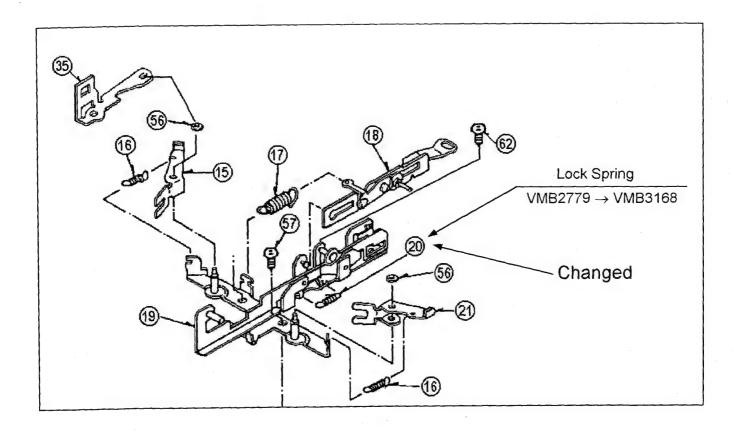
VSD9708M604

17TKA0001

#### Mechanical Chassis Assembly (1)

To standardize the parts, the Lock Spring for L Cassette Brake Base Unit is changed from VMB2779 to VMB3168 as shown below.

Part Number							
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks		
20	VMB2779	VMB3168	LOCK SPRING	1			



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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Prevention of P.C. Board Touching

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

15

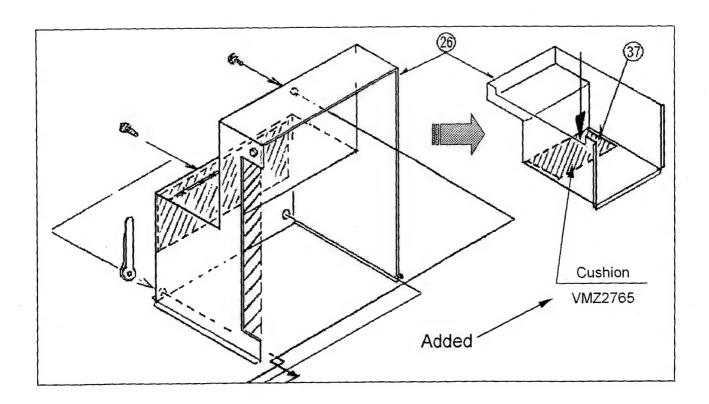
VSD9708M604

17TKA0001

#### Frame Assembly (1)

To prevent the Sensor P.C. Board from touching with the Shield Case (1), a cushion for Sensor P.C. Board is added as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
37		VMZ2765	CUSHION	$0\rightarrow 1$	



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Order No. VSD9710SE612

# Technical Bulleti

## Supplement to the Service Manual

**Broadcast Product** 

## Subject : Change for CE Safety Regulation

Please use this supplement together with the Service Manual as follows: Effective from Order No. Bulletin No. Model No. 17TKA0001 VSD9708M604 AJ-D200HE

> Board: Rear Jack (VEP84297C) DC INPUT (VEP00X87C) AV OUT (VEP80A75A) Frame Assembly (1) Frame Assembly (2)

To meet the CE Safety Regulation, the following modification is performed. 1). Rear Jack, DC INPUT and AV OUT P.C. Boards are changed as follows.

·				
Part Number           Ref. No.         Original Part No.           VEP84297B         VEP80A44A           VEP80A43A         VEP80A43A	VEPOOX87C	Part Name & Descriptions  REAR JACK P.C. Board  DC INPUT P.C. Board  AV OUT P.C. Board	Pcs 1 1 1 1	Remarks

#### < Frame Assembly (1) >

1). The fixing screw (XYN3+C6) for the Sub Plate is deleted as shown in figure 1.

2). The fixing screws for the C.B.A. Angle are changed from XYN3+C6 to XYN3+K8FR as shown in figure 2.

Part Number Ref. No. 103 117	Original Part No. XYN3+C6	New Part No. XYN3+C6 XYN3+K8FR	Part Name & Descriptions SCREW SCREW	Pcs 6→3 0→2	Remarks

- 1). Ferrite Core (VLP0186), Clamper (VJF0980) and fixing screw (XYN3+F6) are added to the Rear Case Unit < Frame Assembly (2) >
  - 2). A fixing screw for the Blank Plate is changed from XSB3+6FZ to XSB3+10FZ as shown in figure 4.

3). A Nut (XNG3B) and washer (XWC3B) are added to the Jack Plate as shown in figure 4.

Part Number			Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.	FERRITE CORE	0→1	
20	<del></del>	VLP0186	CLAMPER	0→1	
21		VJF0980	SCREW	[1→0]	
104	XSB3+6FZ	XSB3+10FZ	SCREW	[0→1]	
119 125		XYN3+F6	SCREW	[0→1]	

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## **Panasonic**

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## Supplement to the Service Manual

**Broadcast Product** 

### Subject: Improvement of Reel Motor Unit

Di uso this supplement t	ogether with the Service Manu	ial as follows :	
	Bulletin No.	Order No.	Effective from
Model No.	10	VSD9708M604	17TKA0001
AJ-D200HE			

#### Mechanism Chassis Assembly (1)

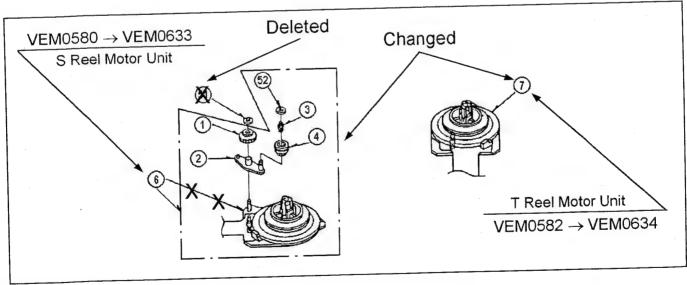
Symptom: Reel Motor (Rotor portion) may take off from the Stator portion during transportation.

Remedy : To prevent it, the Rotor portion of Reel Motor and Idler Gear Unit are united with the Stator portion of

Reel Motor as shown below.

According to this change, the 1-2. Cassette Height Position Pin Adjustment is not required.

art Number		New Part No.	Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Pait No.		1→0	
	VDG1189		IDLER GEAR A	1→0	
	VXL2614		IDLER GEAR	1	
	.,		IDLER SPRING	1→0	
	VMB3011		IDLER GEAR BU	[1→0]	
i	VXP1700			1 1	
i	VEM0580	VEM0633	S REEL MOTOR U	1 4	
	VEM0582	VEM0634	T REEL MOTOR U	1 0	
			CUT WASHER	[1→0]	
1	VMX1061		CUT WASHER	1→0	
2	VMX2391		COT WASHER		



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### Supplement to the Service Manual

**Broadcast Product** 

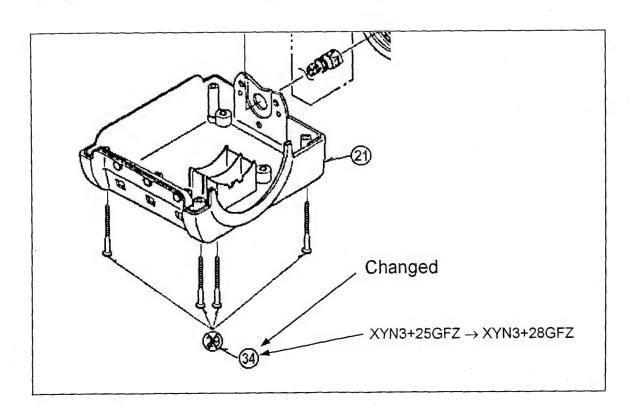
#### Subject : Change of Fixing Screws

Please use this supplement t	ogether with the Service Manu	ıal as follows :	
Model No.	Bulletin No.	Order No.	Effective from
AJ-D200HE	9	VSD9708M604A	I7TKA0001

#### **EVF** Assembly

To improve the fixing screws for the Top and Bottom cases, the screws are changed from XTN3+25GFZ to XTN3+28GFZ.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
29	XTN3+25GFZ		SCREW	4→0	
34		XTN3+28GFZ	SCREW	0→4	



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# Supplement to the Service Manual

**Broadcast Product** 

## Subject : Change of Fixing Screw for Ferrite Core

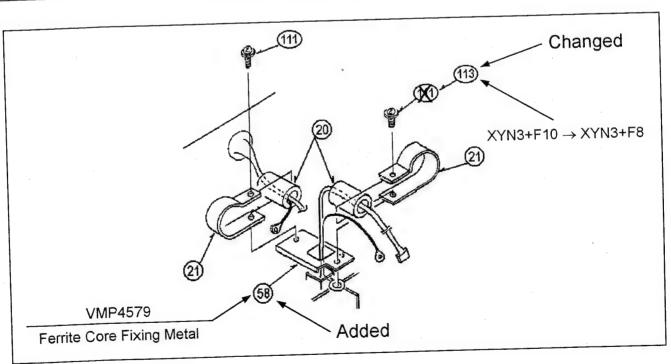
	that with the Service Manu	ial as follows:	
Please use this supplement	Bulletin No.	Order No.	Effective from
Model No.	Bulletin No.	VSD9708M604A	17TKA0001
AJ-D200HE	8	VCDO/COM	

#### Frame Assembly (2)

#### Reason for Change

- ☐ The following part(s) has(have) been changed for serviceability improvement.
- The following part(s) has(have) been changed for productivity improvement.
- ☐ The following part(s) has(have) been changed for standardization.
- ☐ The following part(s) has (have) been changed for the safety regulation.

Part Number Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions FERRITE CORE FIXING METAL	Pcs 0→1	Remarks
58 111	XYN3+F10	VMP4579  XYN3+F8	SCREW SCREW	1→0 0→1	
113		XYIVSTEO	GOINEV		



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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Improvement of Cassette Compartment Unit

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

7

VSD9708M604A

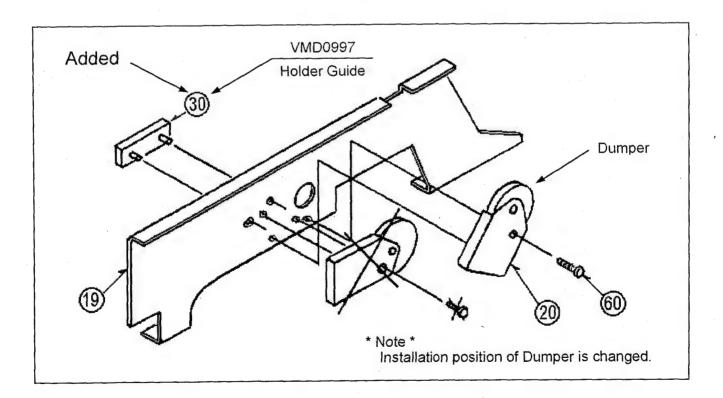
17TKA0001

Cassette Compartment Assembly

To improve the Cassette Compartment, the Holder Guide (VMD0997) is added to the Side Plate (R) as shown below.

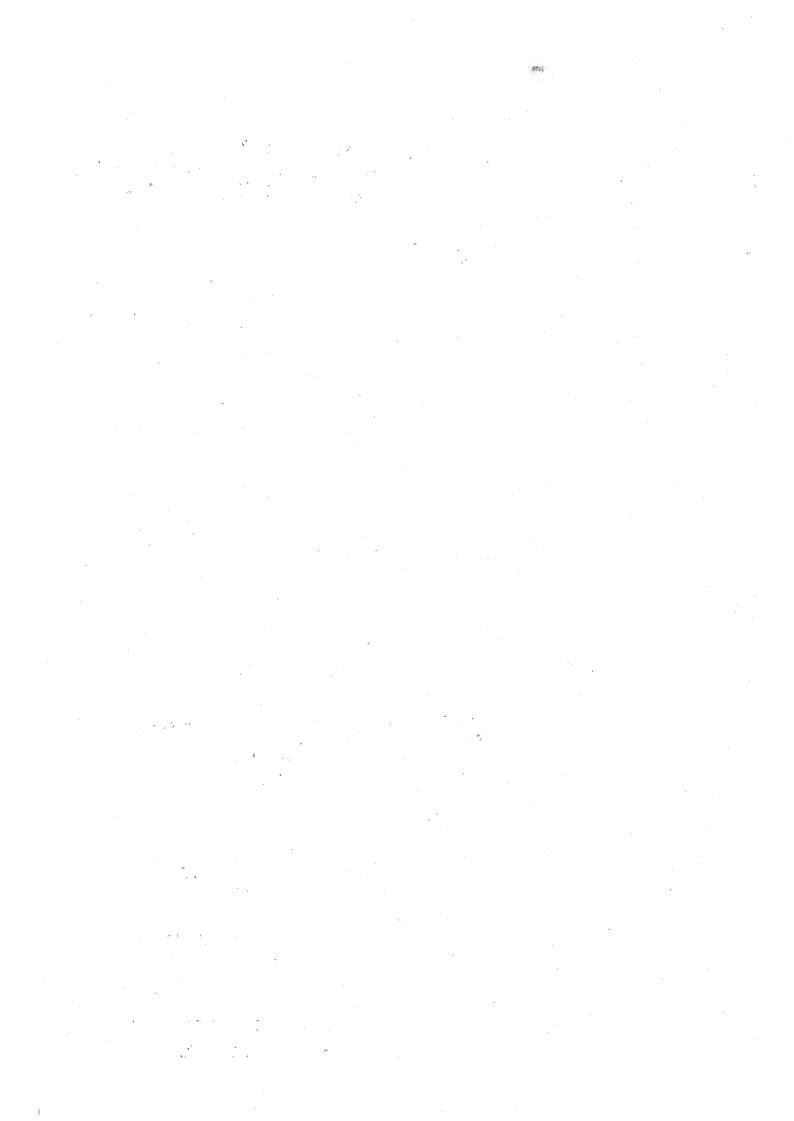
According to this change, the installation position of the Dumper is changed as shown below.

Part Number				_	
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
30		VMD0997	HOLDER GUIDE	0→1	



M1459TM3506

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### Supplement to the Service Manual

**Broadcast Product** 

#### Subject: Improvement of L Cassette Brake Base Unit

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

5

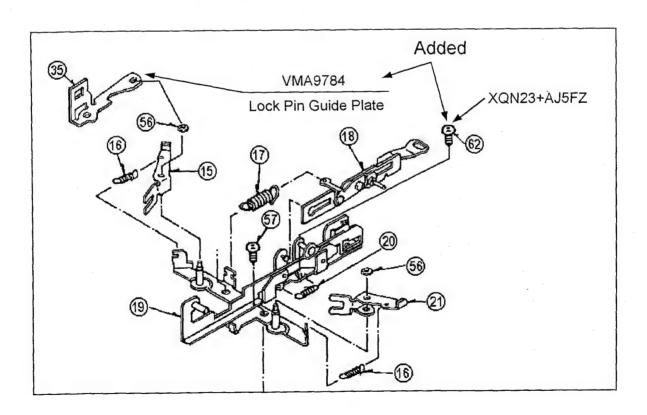
VSD9708M604A

17TKA0001

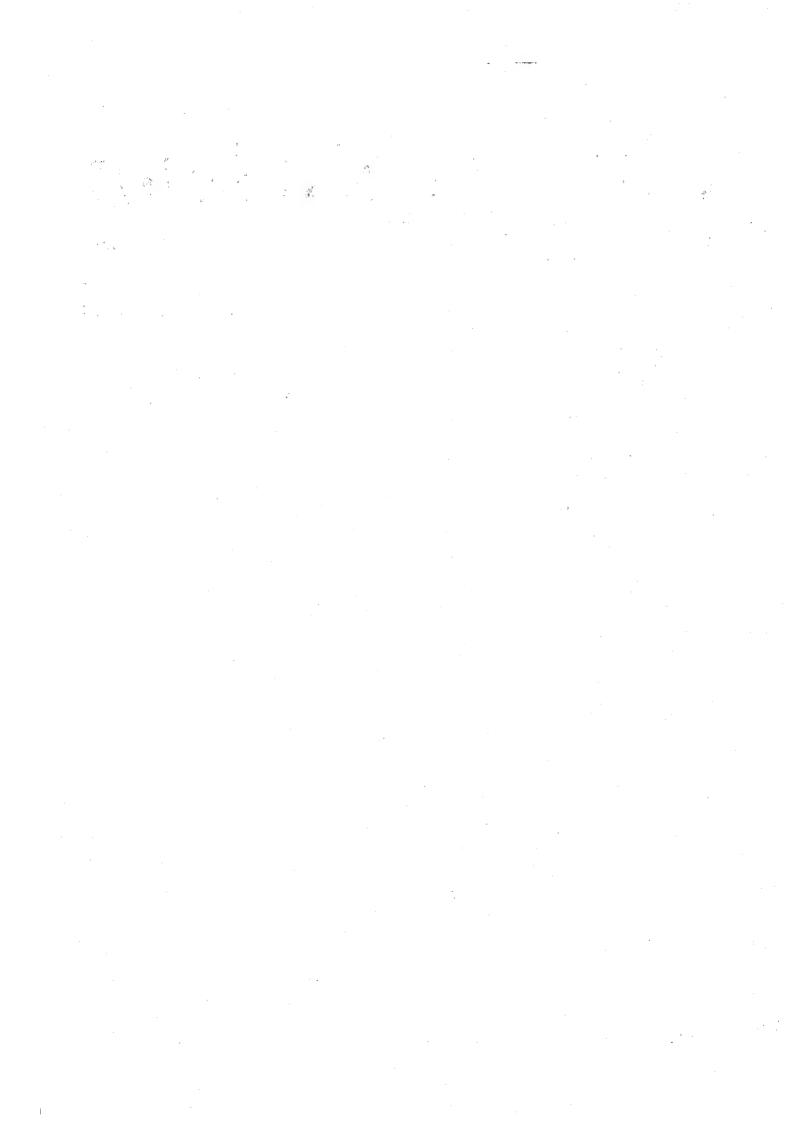
#### Mechanism Chassis Assembly (1)

To increase the reinforcement of L Cassette Brake Base Unit against the falling down, the Lock Pin Guide Plate (VMA9784) is added to the L Cassette Brake Base (1) Unit as shown below.

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
35		VMA9784	LOCK PIN GUIDE PLATE	[0→1]	
62	No.	XQN23+AJ5FZ	SCREW	0→1	



M1464TM3525



### Supplement to the Service Manual

**Broadcast Product** 

#### **Subject: Service Manual Correction**

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

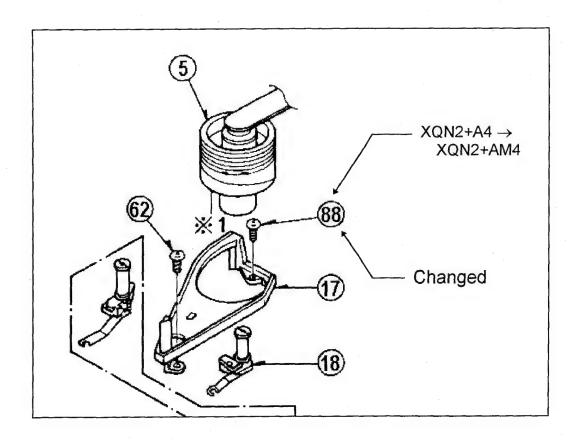
Δ

VSD9708M604

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#### Mechanical Chassis Assembly (2)

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
88	XQN2+A4	XQN2+AM4	SCREW	1	



TM3521

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### Supplement to the Service Manual

**Broadcast Product** 

Subject: Change of Screws

Please use this supplement together with the Service Manual as follows:

Model No. Bulletin No. Order No. Effective from

AJ-D200HE 3 VSD9708M604 I7TKA0001

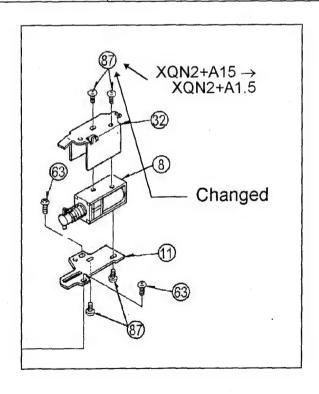
Mechanical Chassis Assembly (2)

#### Reason for Change

- The following part(s) has(have) been changed for serviceability improvement.
- The following part(s) has(have) been changed for productivity improvement.
- ☐ The following part(s) has(have) been changed for standardization.
- The following part(s) has (have) been changed for the safety regulation.

Mechanical Chassis Assembly (2)

Part Number					
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
87	XQN2+A15	XQN2+A1.5	SCREW	4	



TM3446

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# Supplement to the Service Manual

**Broadcast Product** 

Subject : Service Manual Correction

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Effective from

Model No.

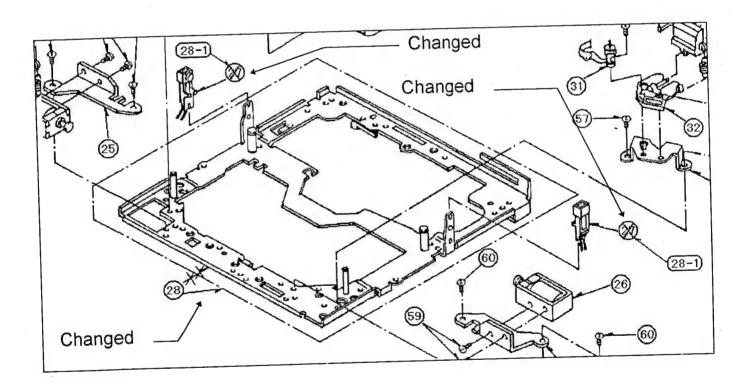
Bulletin No.

Order No.

AJ-D200HE

VSD9708M604

Mechanical Chassis Assembly (1)



### Supplement to the Service Manual

**Broadcast Product** 

#### **Subject: Service Manual Correction**

Please use this supplement together with the Service Manual as follows:

Model No.

Bulletin No.

Order No.

Effective from

AJ-D200HE

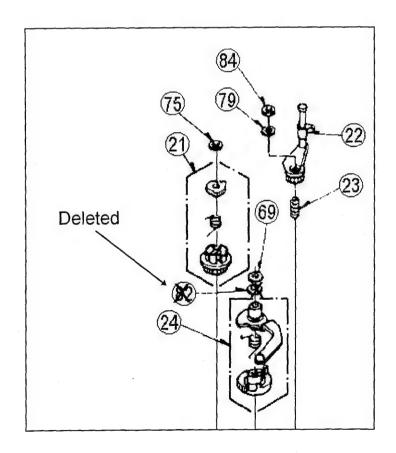
1

VSD9708M604

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#### Mechanical Chassis Assembly (2)

Part Number				,	
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	Remarks
82	XWGV15Z32G		WASHER	1→0	



## Supplement to the Service Manual

**Broadcast Product** 

## Subject: Improvement of Escutcheon Unit of View Finder

Diverse	use this supplement	together with the Service Manu	al as follows:	· .
Please		Bulletin No.	Order No.	Effective from
	Model No.	Bulletin No.	VSD9708M604A	17TKA0001
	AJ-D200HE	6	V2D3109M004V	

Board : CRT Mask (VEP27090C) **EVF** Assembly

Symptom : Smoke may occur from the Eye Piece Unit when the View Finder is left to be turning the Eye Piece

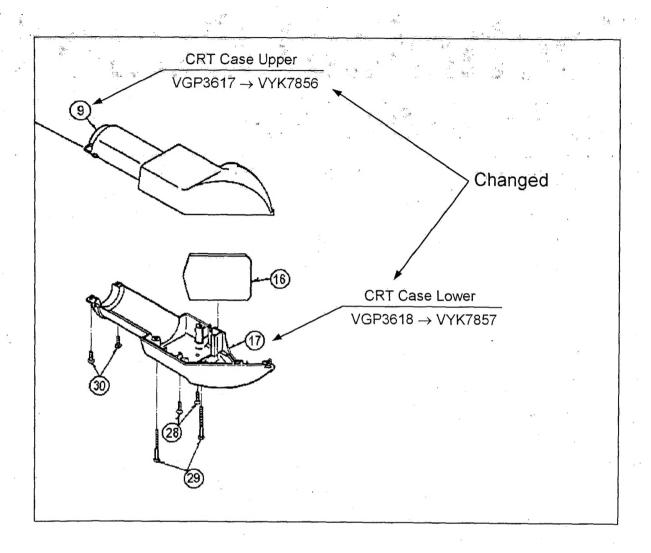
toward the sun.

: CRT Name Plate on the Escutcheon is burned by the sun. Cause

Remedy : To prevent it, the CRT Name Plate is added to the CRT Mask P.C. Board and CRT Case Protection

Sheets are added to the upper and lower CRT Case as follows.

art Number			Part Name & Descriptions	Pcs	Remarks
Ref. No.	Original Part No.	New Part No.		1	
Kei. 140.	VEP27090A	VEP27090C	CRT MASK P.C.BOARD EVF ASSEMBLY		
9	VGP3617 VGP3618	VYK7856 VYK7857	CRT CASE UPPER CRT CASE LOWER	1 1	



# **Panasonic**